BASIC PROMPT ANATOMY

/imagine prompt: [PREFIX] [SCENE] [SUFFIX] [Parameters]
PREFIX defines image medium & style
SCENE defines content
SUFFIX modulates Prefix & Scene
(in actual practice these categories overlap)

PERMUTATION PROMPT EXAMPLE

/imagine prompt: cinematic shot of astronaut on {horse, turtle} --c {20,80} ...gets translated into four prompts:
-> cinematic shot of astronaut on a horse --c 20
     cinematic shot of astronaut on a turtle --c 20
     cinematic shot of astronaut on a horse --c 80
     cinematic shot of astronaut on a turtle --c 80

OPTION COMMANDS

/prefer option set [NAME OF OPTION] [VALUE]
   ... e.g:
   ->   /prefer option set mycoolpreset dadaism --c 80
            ...now
            /imagine prompt: an astronaut, --mycoolpreset
            ...becomes
             /imagine prompt: an astronaut, dadaism --c 80
/prefer option set mycoolpreset
            ...deletes mycoolpreset!
/prefer option list
            ... shows presets
/prefer option remix
            ... toggles remix mode
/prefer suffix
            ... suffix to add to the end of every prompt
/prefer auto_dm
            ... automatically send DM when jobs complete
/prefer variability
            ... toggle variability mode

WEIGHTS

/imagine prompt: hot dog
                    hot:: dog
                    hot::2 dog

BASIC PARAMETERS

--ar [WIDTH:HEIGHT] (=aspect ratio)
--c [0-100] (=chaos, unusual results)
--q [.25|.5|1] (=quality/time spent generating the image, 1=default)
--seed [0-4294967295] (=starting point for initial grid)
--stop [10-100] (=stop at earlier percentage)
--s [0-1000] (=stylize, artistic interpretation)
--tile (=seamless patterns)
--iw [W] (=sets image weight to W)
--no [X] (=gives X a negative weight of -0.5)
--repeat [N] (=repeat prompt N-times)
--video (=create movie of image generation)

VERSION PARAMETERS

--v [1,2,3,4,5,5.1,5.2] (=model version)
--style raw (artistic fine-tuning for V5.1 & V5.2)
--style [4a, 4b, 4c] (artistic fine-tuning for V4)
--test, --testp, --creative (=test models, legacy)
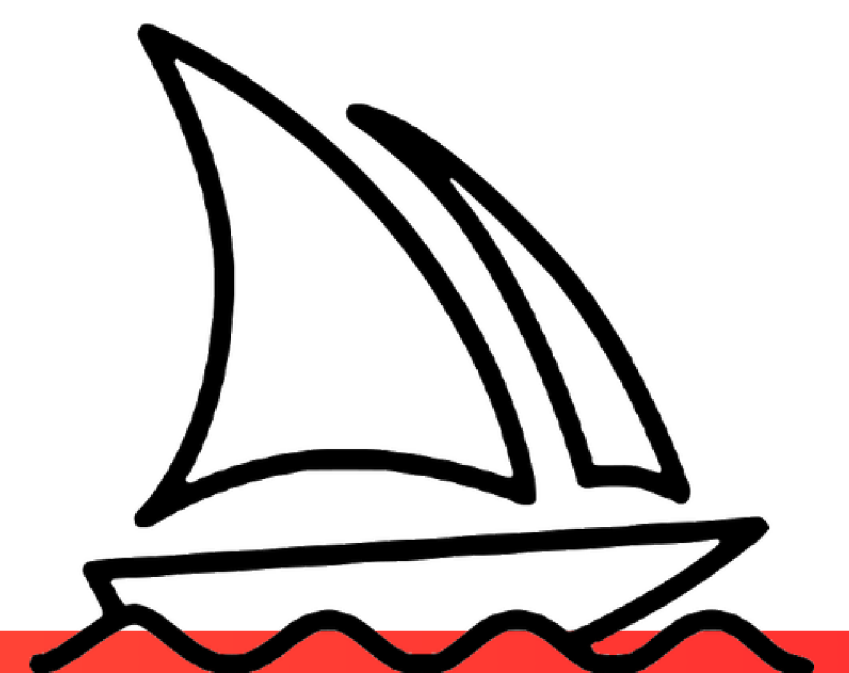
NIJI PARAMETERS

--niji / --niji 5 (anime trained model)

NIJI STYLE OPTIONS

--style cute
--style expressive
--style sceenic
--style original

MORE COMMANDS

/describe
/blend
/shorten
/stealth & /public   (=toggle stealth mode)
/fast & /relax   (=toggle fast mode)
/info   (=show account info & queued jobs)
/settings   (=change bot settings)
/subscribe   (=change subscription plan)

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ChatGPT Developer Cheat Sheet

WRITING CODE

1. Write a C# function to do {{ TASK }}
2. Write a React component to do {{ TASK }}
3. Write a Dockerfile for {{ FRAMEWORK }}
4. Write a RegEx pattern for {{ REQUEST }}
5. Create a C# class from this JSON object {{ JSON }}

EXAMPLES
- Write a C# method to get items from a DB and print them. Leave TODO comments where you are unsure E.g. Data connections
- For my .NET project, write a GitHub Action to check PRs. It should run the tests and lint the cod

DEBUGGING / TESTING

1. I wrote this code {{ CODE }} I got this error {{ ERROR }} How can I fix it? or What does this error mean?
2. Write a test that ensures {{ FUNCTIONALITY }} works for this component {{ CODE }}
3. Write a test for this method {{ CODE }}
4. I am doing exploratory testing, tell me how to break this code {{ CODE }}

EXAMPLES
- How can I set up unit tests for a Blazor project? I want to use bUnit.
- What does this error mean? System.ArgumentOutOfRangeException: Index was out of range

UNDERSTANDING CODE

1. What does this code do? {{ CODE }}
2. Explain the purpose of this {{ LANGUAGE }} function {{ FUNCTION }}
3. What is the differences between {{ CONCEPT }} and {{ CONCEPT }} in {{ LANGUAGE }}
4. What does {{ KEYWORD, OPERATOR, ETC }} do in {{LANGUAGE}}?
5. What libraries can do {{ REQUIREMENTS }} for {{ LANGUAGE }}
6. What language/framework is best for this idea? {{ IDEA }}

EXAMPLES
- Can a Dictionary become out of order in C#?
- What does "static" do in C#?
- Explain the lifecycle events of Blazor components.
- What is the difference between Lists and Arrays in C#?
- What is a library that can render Markdown for a Blazor project?

TIPS

1. If you are generating lots of code and it doesn't finish, type "continue"
2. Give more context, get better results
3. When asking for explanations, add "keep it short and concise"
4. When refactoring code, ask it to omit unchanged code to make responses easier to read

DOCUMENTING CODE

1. Write a readme file for this project {{ DESCRIBE PROJECT }}
2. Write the Mermaid code for an entity relationship diagram for these classes {{ INSERT CLASSES }}
3. Write the Mermaid code for an architecture diagram for this solution {{ DESCRIBE SOLUTION }}
4. Add some comments in this code {{ CODE }}
5. For this {{ CODE }}, add comment for each step, explaining its purpose

EXAMPLES
- Write instructions for running a .NET project to add to the README

REFACTORING CODE

1. Refactor this code into multiple methods {{ CODE }}
2. How can I refactor this code for better performance? {{ CODE }}
3. How can I refactor this code for better readability? {{ CODE }}
4. Add a parameter to this function to do {{ FUNCTIONALITY }}{{ CODE }}
5. Convert this callback-based function to use Promises {{ CODE }}
6. Rewrite this JS code in C# {{ JS CODE }}
7. Add a parameter to this function to do {{ CODE }} 8. Make this code use .NET 8 features {{ CODE }}

CODE REVIEW

1. How can I improve the error handling in my {{ LANGUAGE }} code? {{ CODE }}
2. Are there any opportunities for code reuse or modularization in my {{ LANGUAGE }} project? {{ CODE }}
3. Can you review this code and suggest improvements? {{ CODE }

100+ Prompts To Unleash Full ChatGPT Potential

CONTENT CREATION

Ideas Generation:
Give me ideas for [type of content] about [subject], covering topics like [topic1, topic2...]
• Give me ideas for a blog post about writing covering topics like writing tools and writer's block.
• Give me ideas for a podcast about technology covering topics like AI and machine learning.
• Give me ideas for a YouTube video about best books to read covering only self-help books.

Outlines:
Create an outline for [type of content]
• Create an outline for a blog post about productivity
• Create an outline for a book "how to learn to learn a foreign language in 3 months"
• Create an outline for a course "how to learn Pythonn for data science"

Course Quiz:
Turn a [list] into [type of quiz]
• Turn a list of facts about world history into a multiple-choice quiz
• Turn a list of facts about biology into true/false question

Thumbnail:
Act as a prompt generator for Midjourney's AI. Your job is to describe (object) as concisely as possible. Always give 3 different and contrasting versions of a [object] and include any random artist name prefixed by "in the style of"

Giveaway:
Choose X random contest winner(s) from a long list of names or emails: [insert names or emails]

SPREADSHEET

Formula Generation in Excel:
Create a formula to [goal] in cell range of cells]
• Create a formula to calculate the sum in cells A1 to A10
• Create a formula to calculate the average in cells H10 to H20
• Create a formula that sums only the expenses that have the status "No" in column C

Explain formula
Explain the meaning of the formula [formula]
• Explain the meaning of the formula =SUM(A1:A10)
• Explain the meaning of the formula AVERAGE(H10:H20)
• Explain the meaning of the formula =SUMIF(C1:C13),"No", B1:B13)

Advanced Formiulas, Macros and VBA
• I have a table with phone numbers in column A that have the format: (xxx) xxx-xxxx. Extract the numbers within parenthesis using Excel
• Create a macro that calculates the average of cells B1 to B10 and inserts the result in cell C1
• Create a macro that sorts sheets by tab name using VBA.

Google Sheets
Create a formula to [goal] in cell [range of cells]
• Create a formula in Google Sheets to calculate the sum in cells A1 to A10
• Create a formula in Google Sheets that puts data from one sheet into the current sheet
• Explain this Google Sheet command: [insert command]

FOREIGN LANGUAGE

Ask questions:
What's the difference between [word1] and [word2] in language]? Provide X examples
• What's the difference between por and para in Spanish? Provide 2 examples
• What's the difference between tu and você in Portuguese? Provide 4 examples

Conversation:
Act as a language partner. You'll start a conversation with me about [topic] in [language]. In every response, you should provide your opinion and then ask me a question to keep the conversation going.

Write essays in any level:
Write a [level] [type of essay] in [language] about [topic]. It must be X words long.
• Write a B1 report in English about pollution. It must be 500 words long
• Write a A2 letter in Spanish about your financial situation. It must be 300 words long
• Write a C1 review in Portuguese about a tech product. It must be 500 words long.

Vocabulary:
Create a table of difficult words from the previous essay and translate them into [language]

Pronunciation:
Create a table with 2 columns: In the first column type the [language] words: [word1, word2, ...]. In the second column, you should provide the phonetic transcription.

PROGRAMMING

Coding Questions:
How to [action in [programming language]?
• How to merge dictionaries in Python?
• How to join two datasets in Python?
What's the difference between [concept1] and [concept2] in [language]?
• What's the difference between lists and dictionaries in Python?
• What's the difference between OOP and functionnl programming?
Explain the [concept] in [language]
• Explain the while loop in Python
• Explain the try/except in Python to a child

Advice:
I want to learn [language] for [field]). Create a roadmap to learn [language]
• I want to learn Python for data science. Create a roadmap to learn Python
• I want to learn JavaScript for web development. Create a roadmap to learn it
I want to automate [app]. Provide steps to [task] with [language]
• I want to automate Gmail. Provide steps to sending emails with Python
• I want to automate Tinder. Provide steps to swipe right with Python
Simulate a job interview for a [position] by asking and answering questions as if you are a potential employer and I'm the candidate. Consider that [details]

Web Development:
I want to build a [type of website]. Can you generate some HTML for my website?
• I want to build a job board website. Can you generate some HTML for my website?
• I want to build a price comparison website. Can you generate some HTML for my website?

Additional steps:
• Can you center the content in the HTML page, add a line break between the inputs and add an image on a logo?
• Add CSS to customize the size of the logo image

Automation:
• Send the message "type message" on Whatsapp using Python and pywhatkit
• Send an email from [email_1] to [email_2] with the subject [email subject] and the content [email content] using Python
• Use Python to rename all the [file extension files in my directory. Add the word [word] to each name

DATA SCIENCE

Data Science Questions:
Where can I find data for my [describe project]?
• Where can I find data for my credit card fraud detection project?
• Where can I find data for my customer churn prediction project?
How to [action] my dataset?
• How to oversample/undersample my dataset?
• How to split my dataset into train and test sets with Python?

Best practices:
Can you [best practice) my code?
• Can you optimize the following Python code?
• Can you simplify the following R code?
• Can you document my code?
• Can you check for readability in my code?

Automate Data Science Tasks:
• Translate my Python code to R
• Turn this SQL code to Python pandas code
• Format my SQL code by converting the reserved keywords to uppercase
• Create a SQL query that [describe query]
• Write a regex in Python that [describe regex]

Data Science Workflow:
Web scraping (only working for a few websites)
• Web scrape [website] using [language] and [library]
Generate data
• Act as a fake data generator. Create a dataset that has X rows and Y columns: [column1], [column2], ...]
Train Classification model
• I have a dataset of [describe dataset], build a machine learning model that predicts [target variable]
Tune Hyperparameter
• I've trained a [model name]. Write code to tune the hyperparameters
Feature Importance
• I've trained a [model name]. Write code to find the most important features in the model

WRITING

Blog Posts/Essays/Articles:
Write a [adjective] [type of content] on [goal]. Explain why: [topic1, topic2, ...]
• Write a friendly blog post on why people should lose weight. Explain why obesity is a problem, how people can lose weight, and why being healthy is important.
• Write a humorous essay on how not to prepare for an exam.

Writing Assistant:
Can you [action] my text [adjective]?
• Can you make my paragraph less formal?
• Can you make my sentence easier to read?
• Can you complete my sentence? [insert sentence]
• Can you continue my paragraph? [insert paragraph]

Copywriting:
Write a [type of content] for [subject] showcasing the [benefit1, benefit2, ...].
• Write a social media ad for a productivity tool showcasing its simplicity and design.
• Create a sales copy for a travel agency showcasing the price, destinations and commitment.

Email:
Reply to this email: [insert email]. Be [behavior] and say [ideas].
• Reply to this email. Be polite and say that I accept the offer if...
• Reply to this email. Be friendly and say that I don't have time for the meeting

Social Media:
Create X [type of content] for [platform] [details]
• Create 5 hashtags and a caption for a picture on Instagram of a cute cat achievements
• Create 2 bios for LinkedIn highlighting my work achievements

CREATIVITY

Entertainment:
Create X [element] considering [detail]
• Create 5 jokes considering words like knowledge and money
• Create 5 pickup lines considering that you're a doctor

Planning:
Create a X-day (type of plan) for [detail]
• Create a 7-day trip for our anniversary in September
• Create a 30-day workout for my arms and abs with no gym equipment
• Create a 5-day meal plan for a child who is lactose intolerant

Gift Ideas:
Provide X gift ideas for [type of people]
• Provide 3 gift ideas for clients of a travel agency
• Provide 4 gift ideas for business partners in a healthcare company
• Provide 5 gift ideas under $100 for a teenager who loves football

Act as:
Act as a [type of person] that is [behavior]. [Action]
• Act as a customer support assistant that is empathetic and polite. Now answer this email
• Act as a salesperson that is very persistent. Imagine we're on a phone call and try to sell a pen to me.
• Act as my personal chef. I'll tell you about my dietary preferences and allergies, and you'll suggest recipes for me to try.
• Act as a film critic. You'll review a movie and provide both positive and negative feedback about the plot, direction and music.

ACADEMIC LIFE

Improve Your Work:
Provide X ways to improve [subject]
• Provide 3 ways to improve my resume summary: [insert text]
• Provide 2 ways to improve my essay: [insert essay]
• Provide 5 ways to improve the title of my article: [insert title]

Step-by-step Guide:
Provide step-by-step instructions on how to [subject]
• Provide step-by-step instructions on how to increase my vocabulary
• Provide step-by-step instructions on how to prepare for a job interview
• Provide step-by-step instructions on how to become a software engineer

Summarization:
Can you summarize [title]?
• Can you summarize the book The Little Prince?
• Can you summarize World War II in 400 words?
• Can you summarize this article? [insert text]

Generate Names:
Suggest a [adjective] name for my [type] using the words [word1, word2, ...]
• Suggest funny names for my college team using the words flawless and brain
• Suggest a catchy name for my website using the words artificial and age
• Suggest a simple name for my startup using the word cloud

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50 COPYWRITING FRAMEWORKS YOU MUST KNOW

1. AIDA: Attention, Interest, Desire, Action
2. PAS: Problem, Agitation, Solution
3. 4Ps: Promise, Picture, Proof, Push
4. Features and Benefits
5. Before-After-Bridge
6. Problem-Agitate-Solve
7. FAB: Features, Advantages, Benefits
8. Problem-Solution
9. The 5Ws and 1H: Who, What, Where, When, Why, How
10. The Power of Three
11. The Rule of Seven
12. Attention-Interest-Desire-Conviction-Action
13. 4U: Urgent, Unique, Useful, Ultra-specific
14. The Storytelling Framework
15. The OATH Framework: Offer, Aspiration, Transformation, Hook
16. SCAMPER: Substitute, Combine, Adapt, Modify, Put to another use, Eliminate, Reverse
17. The Inverted Pyramid
18. The Before-During-After Framework
19. The CUBA Formula: Curiosity, Understanding, Benefits, Action
20. The Problem-Agitation-Claim Framework
21. The PSR Framework: Problem, Solution, Result
22. The Reverse Testimonial Framework
23. The FOMO (Fear of Missing Out) Framework
24. The So-What Framework
25. The APP Framework: Attention, Problem, Proposition
26. The RACI Framework: Responsible, Accountable, Consulted, Informed
27. The 3C Framework: Clear, Concise, Compelling
28. The MECLABS Framework: Motivation, Expectation, Clarity, Likelihood, Value

29. The PPPP Framework: Picture, Promise, Prove, Push
30. The 4U2 Framework: Urgent, Unique, Useful, Ultra-specific
31. The 5Cs Framework: Clear, Concise, Compelling, Credible, Customer-centric
32. The PASTOR Framework: Problem, Amplify, Story, Testimonials, Offer, Response
33. The SPIN Framework: Situation, Problem, Implication, Need-Payoff
34. The FUD Framework: Fear, Uncertainty, Doubt
35. The DCO Framework: Define, Categorize, Optimize
36. The PESO Framework: Paid, Earned, Shared, Owned
37. The 5S Framework: Short, Simple, Specific, Surprising, Storytelling
38. The PPP Framework: Picture, Promise, Proof
39. The PEPP Framework: Promise, Explanation, Proof, Push
40. The 5Ps Framework: Promise, Picture, Proof, Persuasion, Push
41. The S3 Framework: Surprise, Story, Significance
42. The 5P Framework: Promise, Picture, Proof, Push, Postscript
43. The VALUE Framework: Verify, Amplify, Link, Understand, Evaluate
44. The ABT Framework: And, But, Therefore
45. The 3M Framework: Meaningful, Memorable, Motivating
46. The 4C Framework: Clear, Concise, Compelling, CTA
47. The EIE Framework: Engage, Inform, Entertain
48. The 4Fs Framework: Feel, Felt, Found, Future
49. The SPAM Framework: Story, Problem, Amplify, Make them care
50. The PAPA Framework: Promise, Attention, Proof, Action

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ChatGPT for Data Science Interview

PRODUCT SENSE AND BUSINESS APPLICATIONS

SELECTING THE METRIC
How do I measure the impact of a search toolbar change, which metric would you use?

PRODUCT EVALUATION
- Can you help me evaluate the performance of the AI chatbot for customer service?

BUSINESS APPLICATION
- How do I use my data science skills to create a fraud detection application?

CHURN RATE
- Explain to me the process of predicting churn rate.

PRODUCT ANALYST
- How do I answer: What are your strongest skills as a product analyst?

STATISTICS AND PROBABILITY

SELECTION BIAS
- What is selection bias and how do I identify and mitigate it?

NULL HYPOTHESIS
- Act as a data science tutor and explain a null hypothesis with multiple examples.

Z & T SCORE
- Can you explain the difference between a Z-score and a T-score? Keep the explanation beginner-level.

PROBABILITY
- With the help of math can you help me solve the problem: How many cards would you expect to draw from a standard deck of cards before seeing your first queen?

DATA MANAGEMENT

DATA MANAGEMENT INTERVIEW SESSION
How do I prepare for the Data Management interview session for Data Scientist position? Also add samples questions.

DATA MANAGEMENT TOOLS
Help me answer this question for the data scientist interview session: What technology and tools do you use for data management?

SQL QUERY
Help me write most efficient SQL query to find duplicate records in a table.

AGGREGATE FUNCTION
Act as a Data Science tutor and explain what is an SQL aggregate function? Give some examples.

PROGRAMMING

CODING INTERVIEW SESSION
- How do I prepare for the Coding interview session for Data Scientist position?

STEMMING CODING PROBLEM
- Can you solve this coding problem using Python: Given a dictionary consisting of many roots and a sentence, stem all the words in the sentence with the root forming it.

PRODUCTION-READY CODE
- How do I write production-ready code? List all of the things I have to do.

PYTHON LIST
- You are a Software engineer, and your task is to write a Python program to check if the value exists in the list or not using the lambda function.

DATA ANALYSIS

EXPLAINING THE CONCEPTS
- How do I explain technical concepts to a non-technical audience?

DATA CLEANING
- I have a text classification dataset. Write Python code for data cleaning.

DATA EXPLORATION
- I want you to act as a data scientist and code for me. I have a dataset of 100 rows and four columns:[id, name, grade, subject]. Write R code for data visualization and exploration.

MODEL DEVELOPMENT

TRAIN REGRESSION MODEL
- You are a data scientist, write Python code for me. I have a dataset with columns [model,hp,speed]. Please build a machine learning model that predicts speed.

HYPERPARAMETER TUNING
- I have a logistic regression model, write Python code to tune hyperparameters.

IMBALANCE DATA
- I have an imbalanced dataset with target column species. In python, how do I oversample and/or undersample my data?

EXPLAIN THE MODEL
- I have trained a LightGBM model. Write a Python code to explain the output using a series of plots with Shap

FAANG QUESTIONS

GENERAL
- Act as a data scientist at Google AI and tell me what skills, experiences, and qualities are required to secure the position.

HYPOTHESIS TESTING
- Act as a professional data scientist and help me prove that males on average taller than females by knowing just gender height using hypothesis testing.

ALGORITHMS
- Describe decision trees, SVMs, and random forests. Talk about their advantage and disadvantages.

ACTIVATION FUNCTION
- Explain why Rectified Linear Unit has a good activation function to a Project Manager.

MISSING VALUES
- How do I handle NULLs when querying a data set? List all of the methods.

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Machine Learning with ChatGPT

With ChatGPT, building a machine learning project has never been easier. By simply writing follow-up prompts and analyzing the results, you can quickly and easily train the model to respond to user queries and provide helpful insights.

PROJECT PLANNING

KEYWORD METHODOLOGY
- Write a short summary of your machine learning project idea using the following keywords: 'predict customer churn', 'cosmetic data', 'logistic regression', 'accuracy and recall'. Please do not restate any part of this instruction in your summary.
- Follow-up Prompt: Please return suggested responses that are about how you could change or improve your summary

DATA DESCRIPTION METHODOLOGY
- I have a cosmetic dataset consisting of 10,000 rows and 16 columns: [List of Column Names]. Can you list the steps I have to follow to develop an end-to-end customer classification project.

MODEL SELECTION

GENERAL
- Write a Python code for model selection. Please include decision trees, random forests, logistic regression, or support vector machines (SVM).

TRAINING AND TESTING SETS
- Write a follow-up Python code to split the dataset into training and testing sets.

EVALUATION METRIC
- Try using Accuracy, F1 Score, and AUC score for model evolution in model selection section.

MLOPS

STREAMLIT APP
- Explain how to create a Streamlit web app for a customer classifier in Python. In addition, provide a sample code that loads a saved model and feature scaler and makes predictions based on user input.

MODEL DEPLOYMENT ON SPACES
- Explain how to deploy a Streamlit app to Hugging Face space without creating a Docker file. List the necessary steps, including creating a requirements.txt file and a runtime.txt file, logging in to your Hugging Face space account, and using the Hugging Face CLI to create and deploy your app.

1

FEATURE ENGINEERING

GENERAL METHOD
- Write a Python code to perform feature engineering

FEATURE ENGINEERING WITH COLUMNS
- Write a Python code for feature engineering using ['product_name', 'ingredients', 'price', 'allergens', 'positive_reviews', 'positive_reviews'] columns. Please add only feature engineering part.

HYPERPARAMETER TUNING

MODEL EVALUATION
- Please write a Python code to perform model evaluation for a logistic regression model. In order to ensure that the model is not overfitting to the training data, please use cross-validation. Use accuracy, precision, recall, and F1 score as evaluation metrics.

HYPERPARAMETER TUNING
- Can you modify the above code to include hyperparameter tuning and save the best-performing model?

BAYESIAN OPTIMIZATION
- Can you write a Python code to tune hyperparameters using Bayesian optimization?

MLOPS

MODEL MONITORING
- Explain how to monitor a model on a Hugging Face Streamlit app. Discuss the importance of monitoring model performance and usage, and describe the tools and techniques available for monitoring.
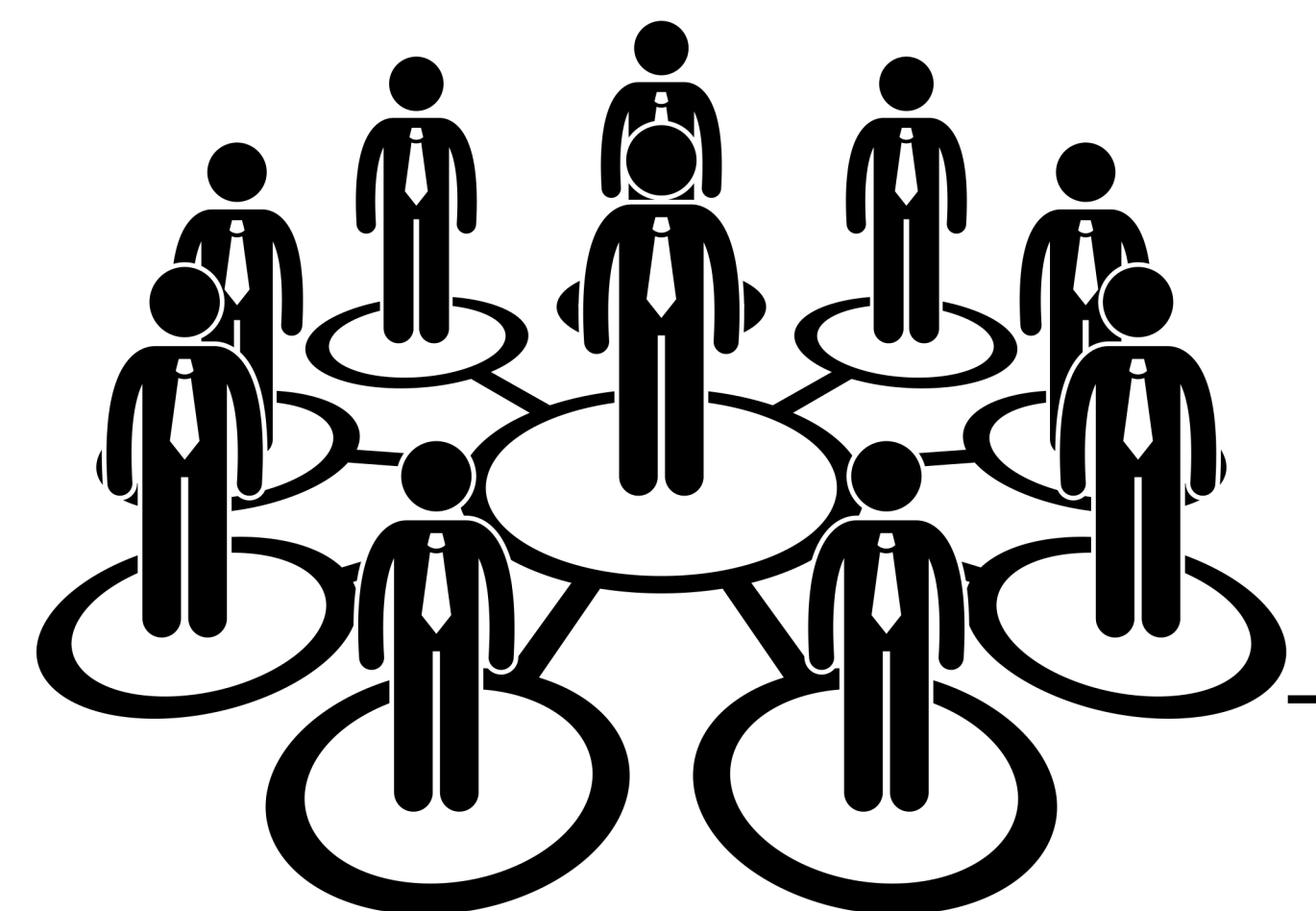
AUTOMATION
- Can you provide a detailed guide on creating a Continuous Integration and Delivery (CI/CD) pipeline using Python to regularly update the model on Hugging Face with the latest dataset? Please include steps for automating data cleaning, preprocessing, model training. and deployment.

2

DATA PREPROCESSING

GENERAL
- Write a Python code to clean and preprocess the cosmetic dataset

DATA CLEANING
- Write a Python code to handling missing values and handling any outliers or anomalies in the data.

PREPROCESSING
- Write the Python code to convert categorical variables into numeric variables and scale/normalize the data.

CLASS IMBALANCE ISSUE
- Please address the class imbalance issue by either oversampling the minority class or undersampling the majority class.

EXPERIMENT TRACKING

SUGGESTION
- Can you suggest some popular tools for experiment tracking in machine learning projects?

EXPERIMENT TRACKING WITH MLFLOW
- Can you write a Python code using MLflow for experiment tracking with logistic regression? The code should include setting up the experiment, defining hyperparameters, training the model, logging metrics, and saving the trained model to MLflow. Make sure to also end the MLflow run properly after the experiment.

TRACKING CODE, MODEL, AND DATASET
- Explain how to use DVC to track code, model, and dataset in a machine learning project. Provide a step-by-step guide, including how to add data to DVC, how to create a Python script for training a model and tracking experiments using MLflow, and how to commit changes to Git.

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50 KEY NETWORKING PROMPTS WITH CHATGPT

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1. How should I approach networking with individuals outside of my professional field?
2. How can I turn a one-time meeting into a networking opportunity?
3. What are some creative ways to network?
4. How can I maintain a networking relationship without being annoying?
5. What are the benefits of networking outside of my industry?
6. How can I make the most of networking opportunities at trade shows?
7. How can I use networking to find a business partner?
8. What are some ways to maintain networking relationships remotely?
9. How do I navigate a networking conversation if I'm between jobs?
10. How can I network effectively within my own company?
11. How should I approach networking as a student?
12. How can I ensure a mutually beneficial relationship with my contacts?
13. What are some ways to ask for a professional recommendation?
14. How can I use networking to advance in my current job?
15. What's the best way to network with potential clients or customers?
16. How do I pivot a casual conversation towards professional networking?
17. How can I get the most out of alumni networking events?
18. How can I use networking to benefit my startup?
19. How can I make the most of "speed networking" events?
20. How can I build a diverse network of contacts?
21. What are some networking etiquette tips I should know?
22. How can I use networking to find job opportunities?
23. What's the best way to handle a networking event if I don't know anyone?
24. How do I network effectively when I'm introverted?
25. What's the most effective way to use business cards in networking?
26. How can I make networking less intimidating or awkward?
27. How can I leverage social media for networking?
28. What's the best way to introduce myself at networking events?
29. What are some strategies for networking in a new city?
30. How can I navigate cultural differences in networking?
31. Can you provide some tips for building a network from scratch?
32. How should I manage my time at networking events?
33. How do I establish rapport quickly in networking situations?
34. How can I make myself more memorable in networking scenarios?
35. What are effective strategies for networking at conferences?
36. What are some ways to network with individuals in higher positions?
37. How can I keep a conversation going during a networking event?
38. Can you suggest ways to handle rejection or indifference when networking?
39. How can I use networking to change careers or industries?
40. How can I maintain my professional network over time?
41. What's the best way to ask someone to be my mentor?
42. Can you provide tips for networking on LinkedIn specifically?
43. How can I network effectively online?
44. What are some common networking mistakes and how can I avoid them?
45. Can you give me examples of open-ended questions for networking?
46. How can I make a lasting impression when networking?
47. What's the best way to follow up after a networking event?
48. What are some good ice-breakers for networking events?
49. How can I improve my elevator pitch?
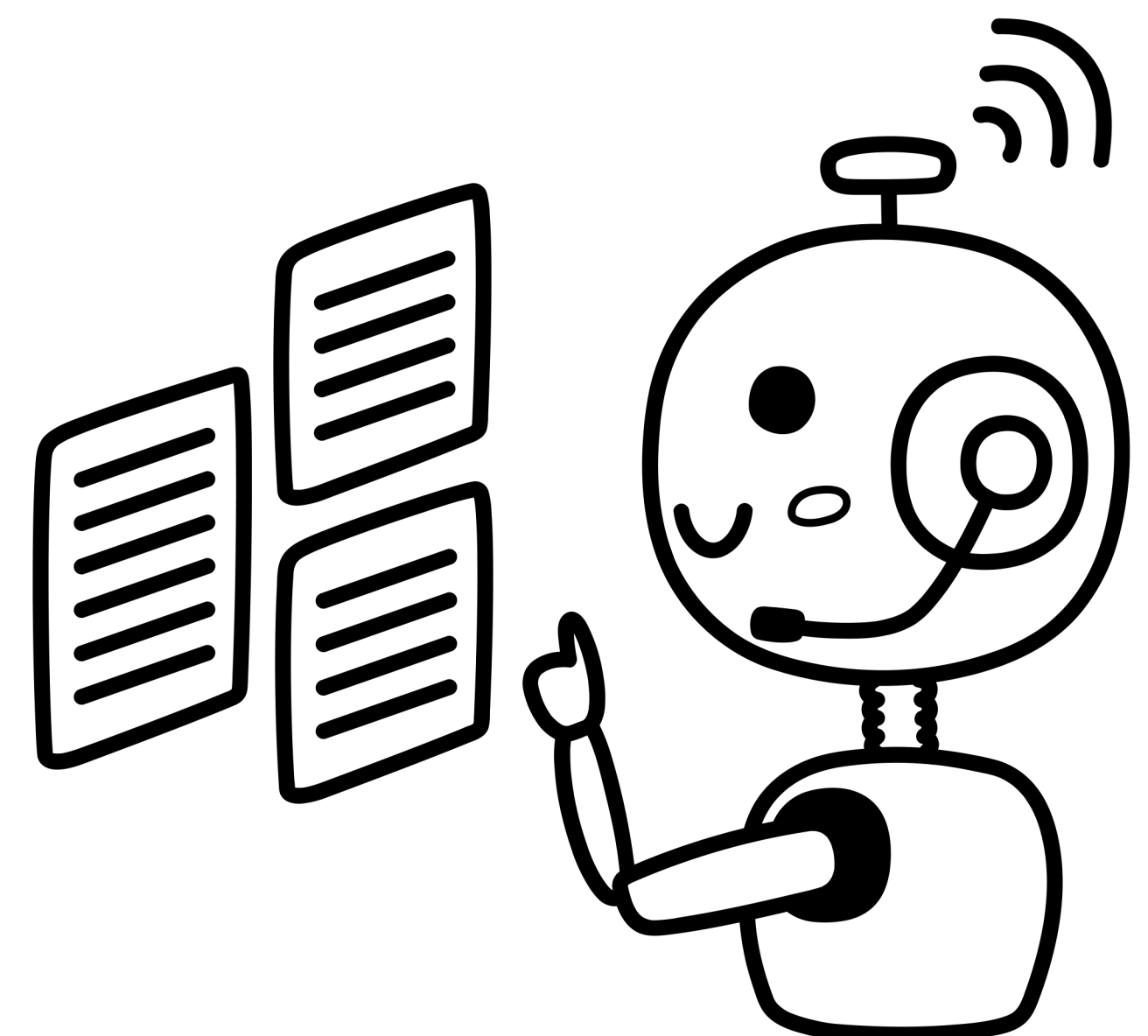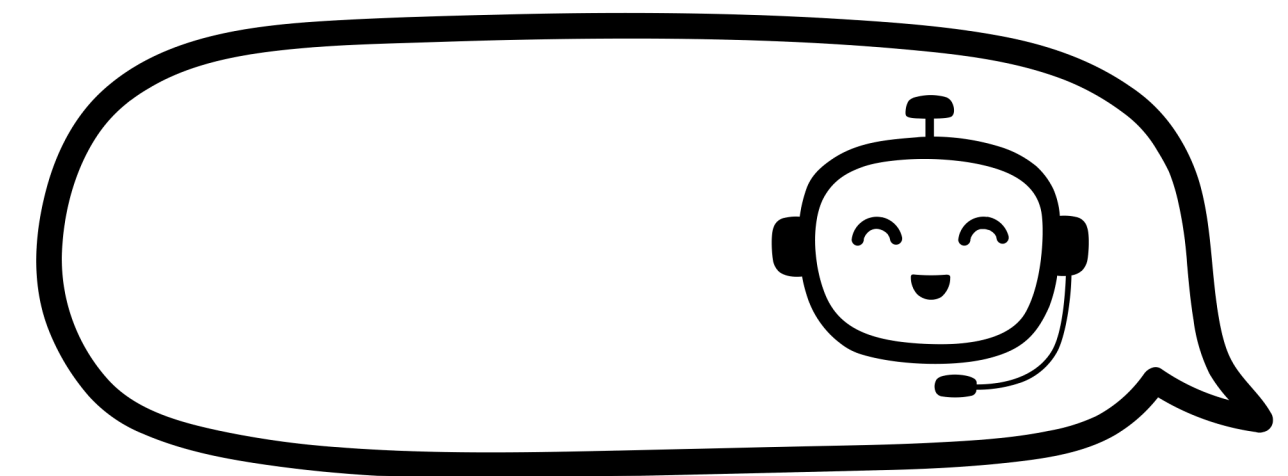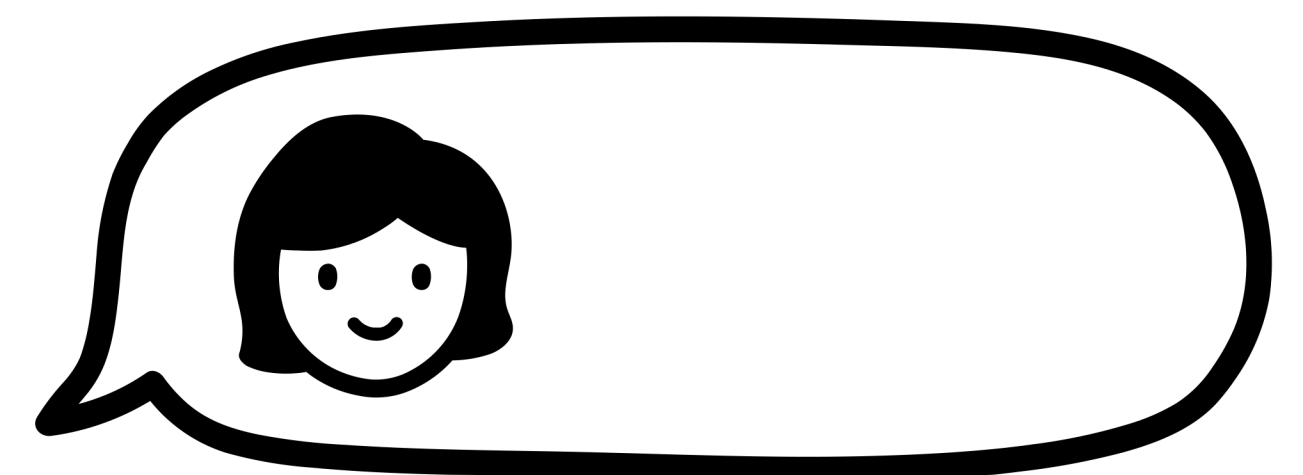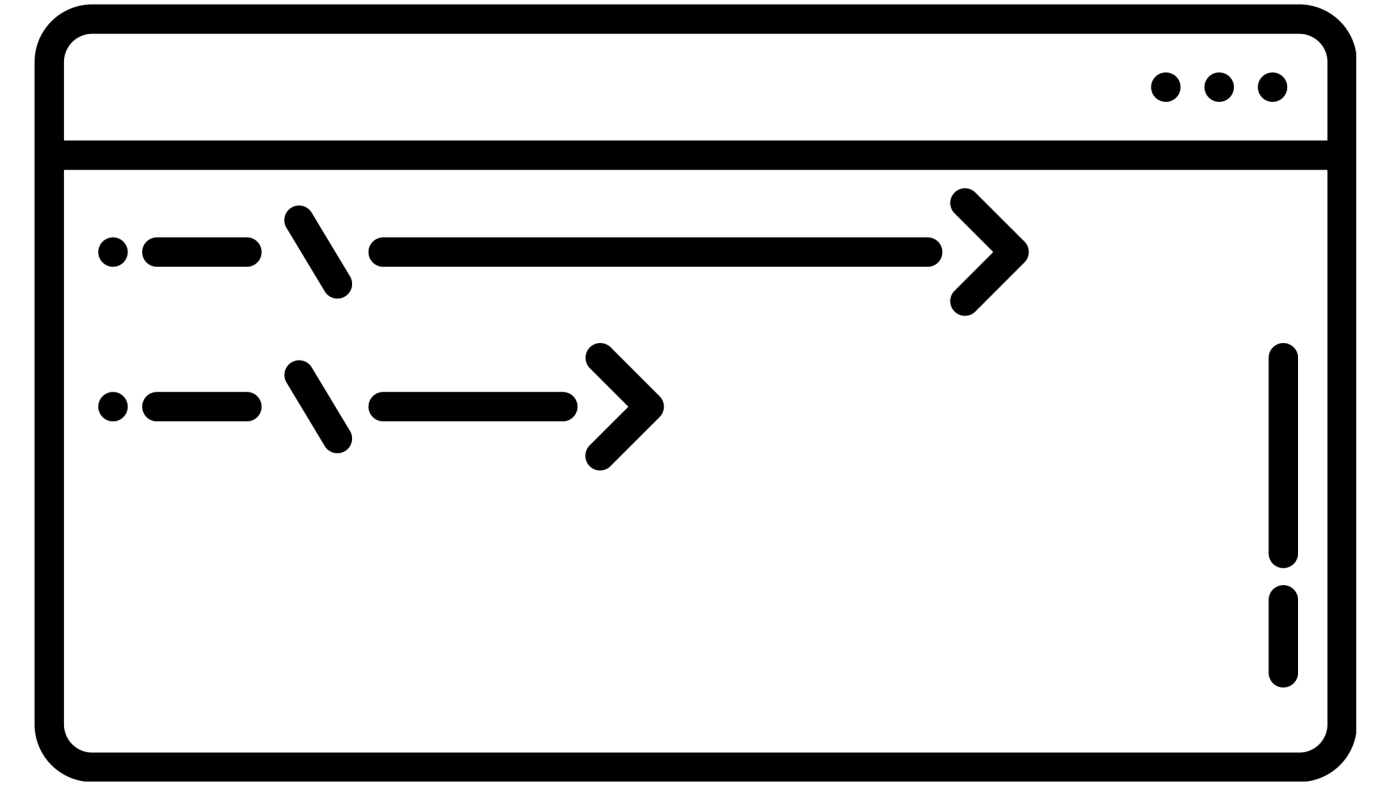50. What are some tips for effective networking?

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TOP 10 TOOLS FOR
DETECTING AI-GENERATED CONTENT
(CHATGPT, GPT-4, BARD, CLAUDE,...)
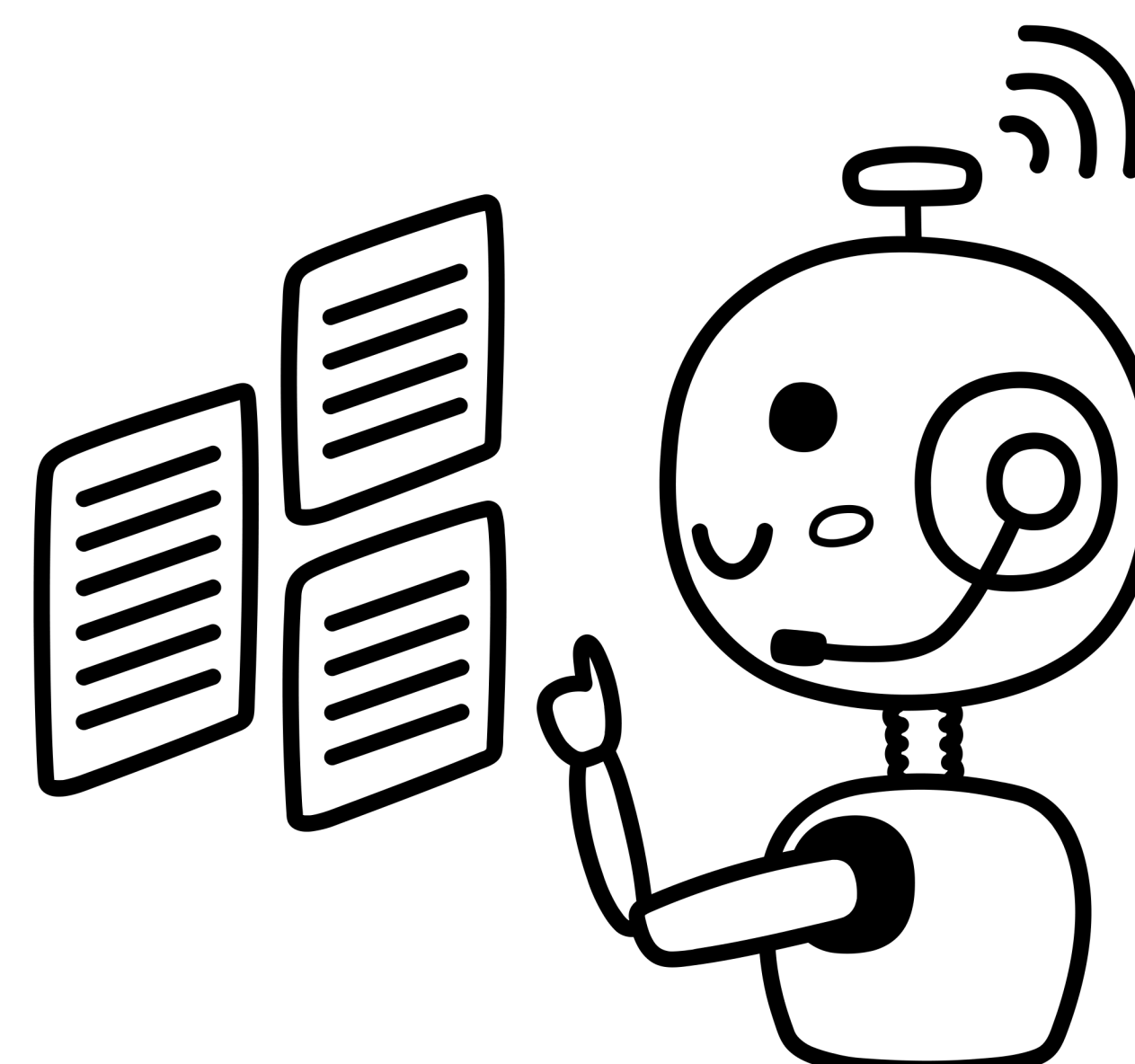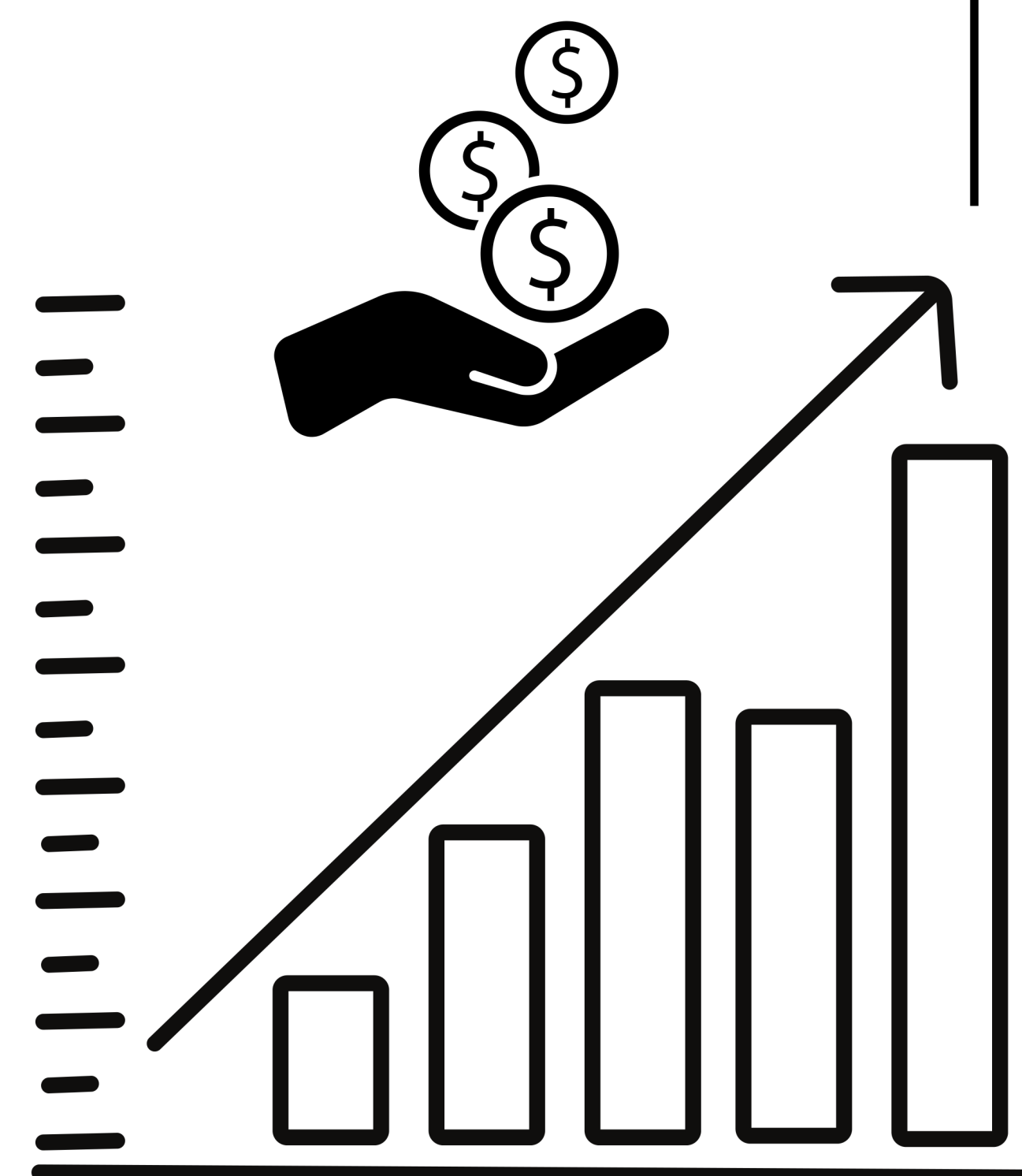
NO	NAME	FEATURES
1	GPTZero — **GPTZero**	**GPTZero** has been significantly improved. It is now highly accurate, easy to use, and comes with a Chrome extension. You can use it to detect a wide range of AI-generated text, including text from the latest models like Bard (PalM 2), ChatGPT, GPT-4, and other open-source models. It is also fast and highlights the generated text for easy identification.
2	OpenAI AI Text Classifier	**OpenAI's AI Text Classifier** is highly accurate, but it does not provide additional information about the content. I use it daily to maintain quality assurance, and I am satisfied with the results. It works for New Bard, ChatGPT, GPT-4, and other LLaMA-based models.
3	CopyLeaks — **Copyleaks**	**CopyLeaks** is a fast, accurate plagiarism checker that comes with a simple Chrome extension. You can even hover over highlighted text to check the popularity of AI. It can detect Bard, ChatGPT, GPT-4, and other large language models (LLMs).
4	SciSpace — **SCISPACE** formerly Typeset	The **SciSpace** Academic AI Detector is a bit different from the other tools I've mentioned. It is highly accurate, but it was specifically designed to detect scholarly content in PDFs. There is no copy and paste option at the moment, but the tech team is working on adding that feature. You can upload any type of academic work as a PDF, and SciSpace will generate results.
5	Hive Moderation — **HIVE**	**Hive Moderation**'s AI Generative Content Detection occasionally misidentifies human-generated content as AI. To ensure reliable results, it is advisable to have a backup tool when using it as the primary resource. The AI Generative Content Detection provides results accompanied by probability percentages and segments. Furthermore, it offers the capability to detect AI-generated images from platforms such as DALL-E, Midjourney, and Stable Diffusion.
6	Content at Scale — **Content at Scale**	**Content at Scale**' AI Content Detector is simple to use and produces fairly accurate reports on predictability, probability, and pattern. It works with all kinds of latest large language models (LLMs) and highlights content based on the variable probability of AI-generated work.
7	Hello Simple AI — **Hello-SimpleAI** huggingface.co/Hello-SimpleAI	The ChatGPT Detector by **Hello Simple AI** is a free, open-source tool that can be used to detect text generated by ChatGPT. It is hosted on Hugging Face Spaces and provides fast and fairly accurate results. The detector is not as accurate as the OpenAI classifier, but it does provide two metrics (GLTR and PPL probability) that can help you determine if the content is generated by AI or not.
8	OpenAI HF Detector — **openai-detector**	The **OpenAI Detector** is a free, open-source tool that can be used to detect text generated by OpenAI's GPT language model. It is hosted on Hugging Face Spaces and provides fast results. However, the detector can be highly inaccurate, especially when it comes to detecting newer versions of OpenAI's models and other open-source large language models.
9	Corrector.app — **CA**	**Corrector.app**'s AI Detector is a fairly accurate tool that can be used to detect text generated by ChatGPT, Bard, and other older versions of large language models (LLMs). However, it is not able to detect newer versions of LLMs. This is because the AI Detector works by analyzing the syntax and semantics of the text, and newer LLMs are better at generating text that is indistinguishable from human-written text.
10	Writer.com — **W**	**Writer.com**'s AI Content Detector concludes our list, presenting itself as the least accurate option with a character limitation of 1500. It serves as a fallback solution when other tools are unavailable or ineffective.

1. Write a description of a beautiful beach scene.
2. Provide an easy recipe for homemade bread.
3. What are the factors leading to the French Revolution?
4. Write a detailed guide on how to play chess.
5. Explain the basics of photography.
6. How do I troubleshoot a slow computer?
7. Write a monologue about a character who is afraid of the dark.
8. Describe the process of making cheese.
9. What are the key features of a sonnet?
10. Write a short horror story set in an abandoned mansion.
11. Explain the difference between socialism and capitalism.
12. Provide tips on how to write a compelling CV/resume.
13. Write a recommendation letter for a student applying to university.
14. How do I take care of a puppy?
15. Give a brief history of the computer.
16. Explain the principles of mindfulness and meditation.
17. What are the cultural impacts of the Renaissance period?
18. Describe the symbolism in the painting "The Starry Night" by Vincent Van Gogh.
19. Provide a recipe for a vegan chocolate cake.
20. Give an overview of the human digestive system.
21. Write an apology letter for a missed appointment.
22. What are the differences between classical and quantum physics?
23. Give me a list of tips for effective studying.
24. Write a letter of complaint about a defective product.
25. How do I plant a vegetable garden?
26. Provide an analysis of the poem "The Road Not Taken" by Robert Frost.
27. How can I improve my public speaking skills?
28. Explain the concept of gravity to a five-year-old.
29. Write an introductory paragraph for an essay about the impact of technology on society.
30. Describe the characteristics of a good leader.
31. Create a workout plan for someone just starting to exercise.
32. What are the main themes of the novel "1984" by George Orwell?
33. Explain the steps of the scientific method.
34. Write a dialogue between two characters arguing about pizza toppings.
35. Suggest a healthy meal plan for a week.
36. How does climate change affect our environment?
37. Write a review for the movie "Inception."
38. Create a beginner's guide to cooking pasta.
39. How does a combustion engine work?
40. Provide a summary of World War II.
41. What are the benefits and drawbacks of artificial intelligence?
42. Write a persuasive speech about the importance of recycling.
43. Give me three reasons why exercise is beneficial.
44. Translate this English phrase into Spanish: "How's the weather today?"
45. Describe the process of photosynthesis in simple terms.
46. What is the significance of Shakespeare's "Hamlet"?
47. Write a poem about the beauty of the night sky.
48. Explain the theory of evolution.
49. Summarize the plot of "Pride and Prejudice."
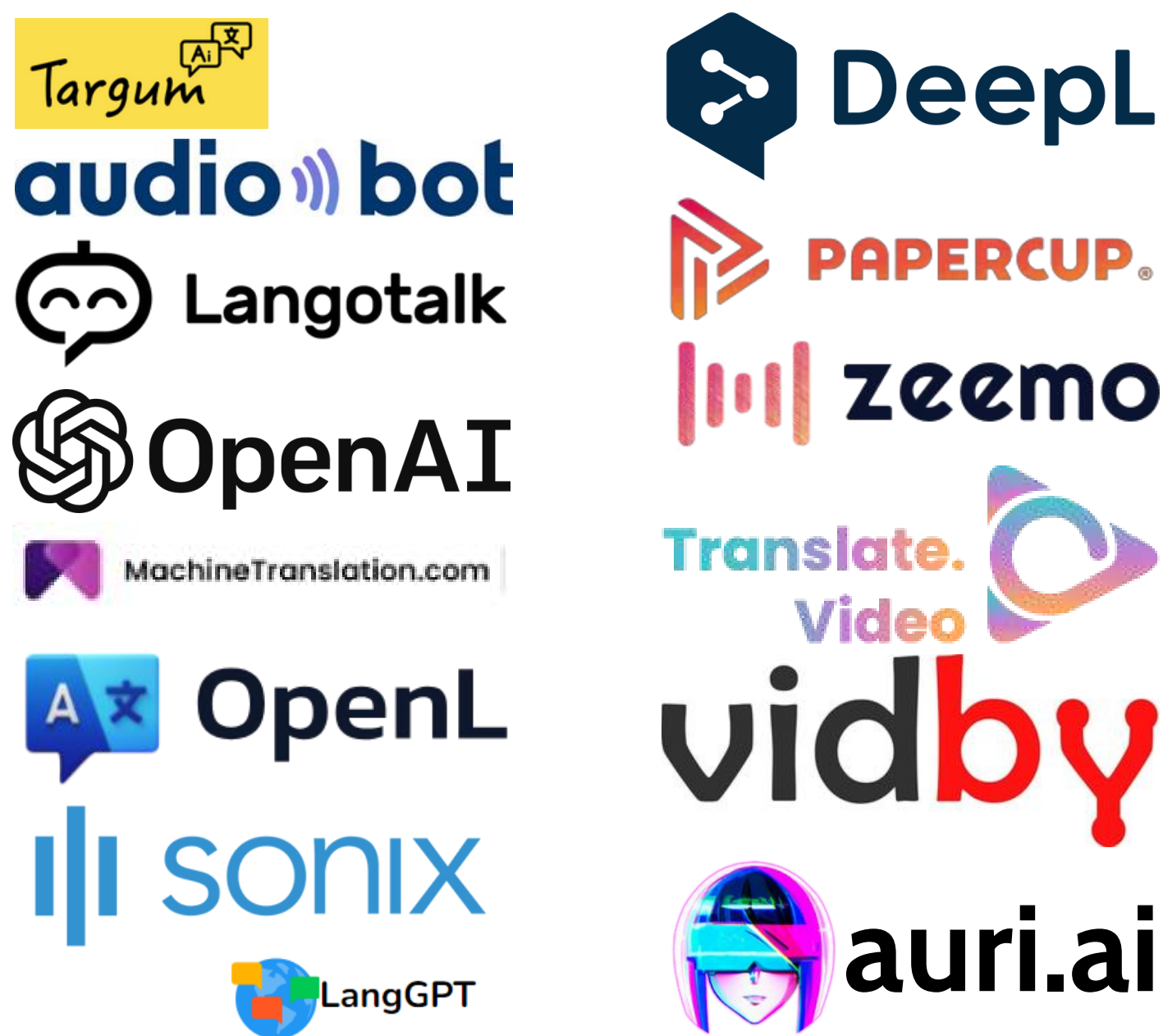50. Write a short story about a journey to a magical land.

1. Create a sequence of follow-up emails after a trade show or event.
2. Provide tips for building and maintaining strong relationships with clients.
3. Help me brainstorm unique selling propositions for product X.
4. Generate a pitch for selling our service packages.
5. Write an email to a client explaining a delay in service or product delivery.
6. Provide strategies for cross-selling related products.
7. Generate a series of tweets promoting a new product.
8. Write a script for a voicemail to a potential customer.
9. Help me create a one-pager on the main selling points of product Z.
10. Explain how to effectively communicate the return on investment (ROI) to potential clients.
11. Write an email informing customers about an upcoming sale.
12. Create a plan for re-engaging with dormant clients.
13. Provide suggestions for overcoming sales objections.
14. Generate a follow-up email after a product demonstration.
15. Provide a strategy for increasing product Y's market share.
16. Develop a script for handling a difficult customer on a call.
17. Help me draft a response to a customer requesting a discount.
18. Write a response to a customer's positive feedback.
19. Create a template for a sales proposal.
20. Generate a catchy headline for a sales campaign.
21. Provide an outline for a product demonstration.
22. Write a response to a customer's complaint about a product delivery delay.
23. Create a list of action steps to improve customer engagement.
24. Help me understand how to upsell product X to existing clients.
25. Write a persuasive LinkedIn InMail to a potential customer.
26. Develop a customer profile for product Z.
27. Provide talking points for a negotiation meeting with a big client.
28. Generate a summary of a customer satisfaction survey.
29. Draft a response to a customer inquiry about the functionalities of product Y.
30. Generate a monthly sales report template.
31. Write a script for a cold call to a prospective customer.
32. Create a list of potential leads in the healthcare industry.
33. Help me prepare for a sales presentation for potential client B.
34. Write an email announcing a new product update or feature to existing clients.
35. Explain how product X can solve problems faced by businesses in the software industry.
36. Draft a thank-you email after a successful sale.
37. Provide tips on closing a sale effectively.
38. Generate an email response to a client who has concerns about product Z's price.
39. Create an executive summary of our product Y for a business presentation.
40. Assist me in setting up a sales strategy for the Q3.
41. Describe the competitive advantages of product X over its rivals.
42. Generate a proposal for a business deal with potential client A.
43. Write a script for a sales call for product Z.
44. Provide a list of questions to better understand a client's needs.
45. What are the best ways to demonstrate the value of product Y to a client?
46. Help me understand the key features and benefits of product X.
47. Develop responses to common objections to product Z.
48. Create a follow-up email after a sales meeting.
49. Write an introductory email to a potential client for product Y.
50. Generate a persuasive sales pitch for product X.

THE GENERATIVE AI STARTUP LANDSCAPE

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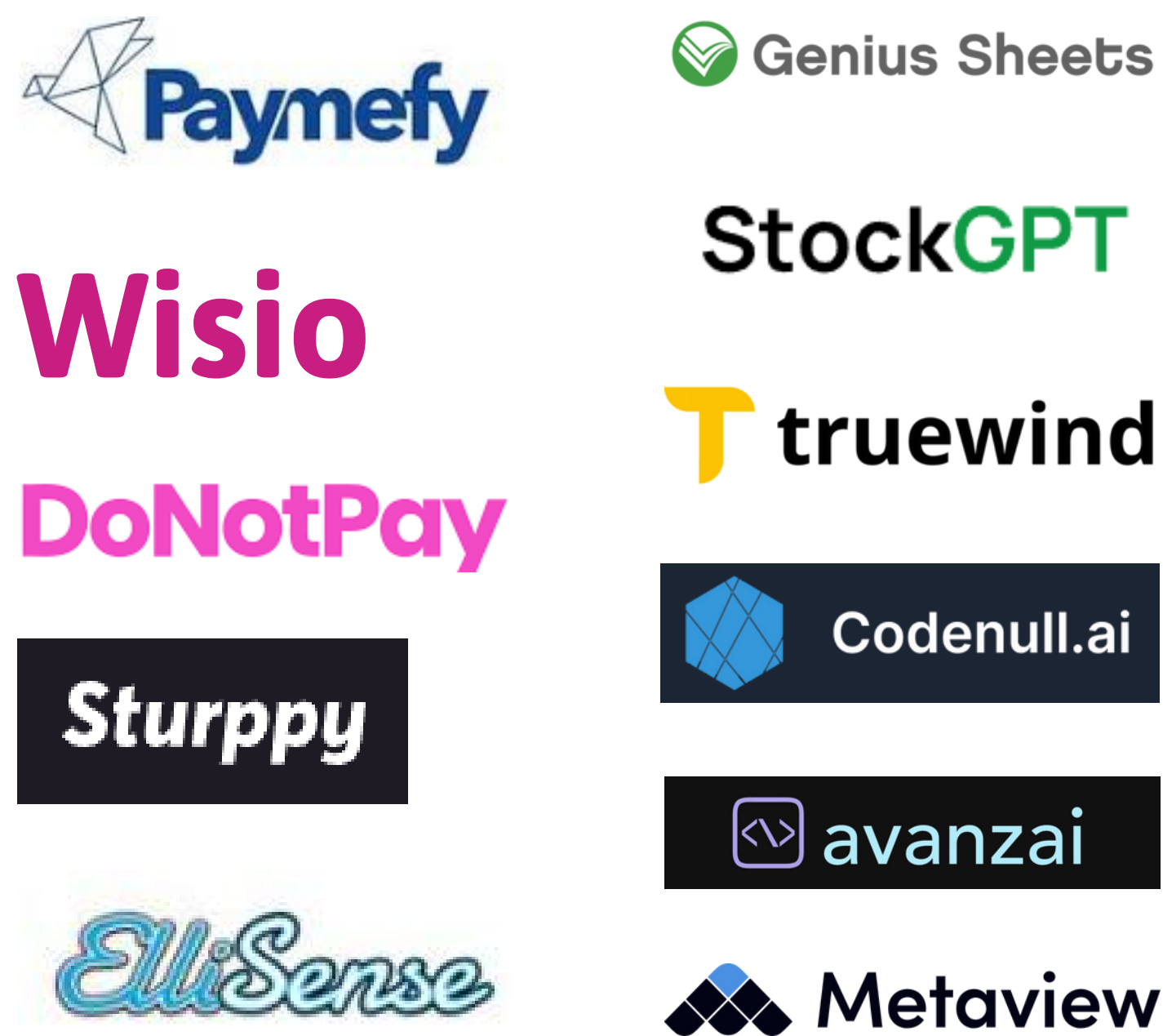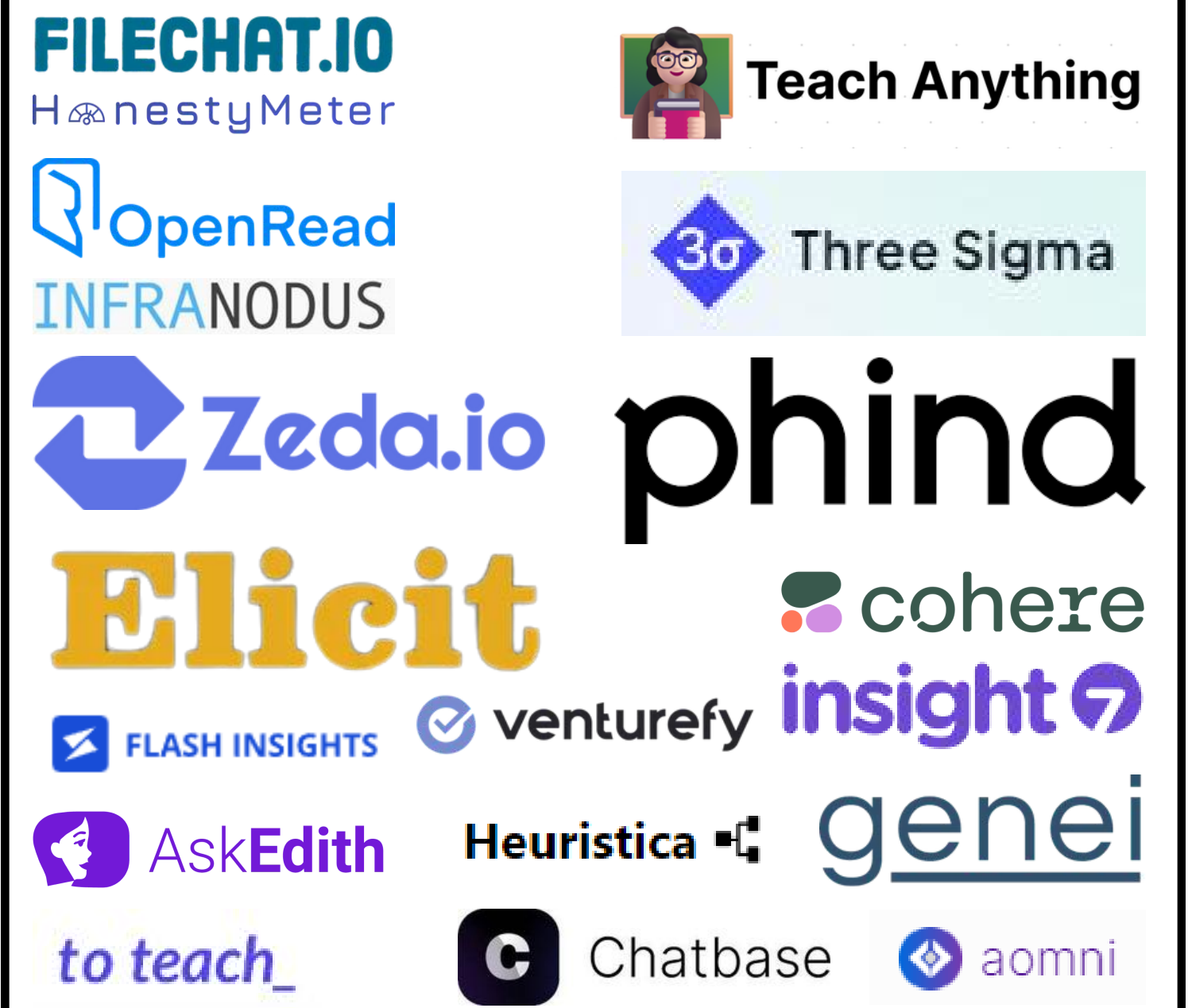
TRANSLATION
- Targum
- audio bot
- Langotalk
- OpenAI
- MachineTranslation.com
- OpenL
- SONIX
- LangGPT
- DeepL
- PAPERCUP
- zeemo
- Translate.Video
- vidby
- auri.ai

INSPIRATION
- Lexica
- namelix
- PlaylistAI
- sudo write
- ReRoom AI
- AI Recipe Generator
- BLACKINK.AI
- NEUTRON FIELD
- Slingshot
- WELOVENOCODE
- giftassistant.io
- Universal Data
- Prompt box
- Digitalfirst.ai
- CoolAIid

PODCASTING
- audo studio
- STEOSVOICE
- PODCASTLE
- deciphr
- Podium
- Podsift krisp
- Blogcast™
- koolio.ai
- Transkribieren
- Synthesis AI
- VoicePen
- Dubb
- WondercraftAI
- melville
- Slayer

FINANCE
- Paymefy
- Wisio
- DoNotPay
- Sturppy
- ElliSense
- Genius Sheets
- StockGPT
- truewind
- Codenull.ai
- avanzai
- Metaview

GAMING
- HEROPACK
- LUDO Opus AI
- 3DFY.ai
- convai
- Meshy
- KAEDIM
- hidden door
- CAPTURELAB
- charisma
- Polyhive
- Sloyd
- mirage
- inworld poly

RESEARCH
- FILECHAT.IO
- HonestyMeter
- OpenRead
- INFRANODUS
- Zeda.io
- Elicit
- FLASH INSIGHTS
- venturefy
- AskEdith
- Heuristica
- to teach_
- Chatbase
- Teach Anything
- Three Sigma
- phind
- cohere
- insight
- genei
- aomni

VIDEO EDITING
- muse.ai
- HitPaw
- Peech
- wavel.ai
- Supercreator.ai
- Clippah
- invideo Wisecut Picsart
- TIMEBOLT
- KAPWING
- wave.video
- NOVA A.I.
- munch wonder DYNAMICS
- runway
- PICTORY™

SEO TOOLS
- letterdrop
- CTRify
- compar.ai
- Kafkai
- LONGSHOT
- CLOSERS COPY
- SpinRewriter — Est. 2011
- jenni
- topicmojo
- Typli.ai
- syllaby

COPYWRITING
- GoCharlie
- RytersBlock
- wordmetrics
- Creative Fabrica
- SuperChat.ai
- JibeWith
- easywrite
- listingcopy.ai
- PowerMode
- ARTICLE FIESTA
- text.cortex
- syllaby
- WriteMe
- LINKDELTA

CODE
- Metabob warp CODACY
- codota anima
- Enzyme DhiWise
- Codis The.com bloop.
- AIXcoder replit
- Mintlify durable
- MUTABLE.AI
- Codiga māya Locofy
- tabnine Debuild

DATA
- datagen
- BIFROST Pilot
- Mirry.AI
- Synthetic Data as a Service
- DATAHERALD
- gretel™ SYNTEGRA

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1. Can you suggest some team-building activities for my startup?
2. Provide tips on how to maintain a healthy work-life balance as a founder.
3. Draft an apology letter for a customer issue.
4. Can you help me brainstorm potential challenges my startup might face?
5. Assist in creating an onboarding process for new employees.
6. How can I effectively use social media for my business?
7. Write a brief for a marketing agency.
8. What are some ways I can encourage innovation in my team?
9. Can you help me understand the basics of data privacy and its importance?
10. Assist in creating a checklist for launching a new product.
11. Generate ideas for a company retreat.
12. Can you provide a basic explanation of machine learning and its business applications?
13. Help me understand the key legal considerations for startups.
14. Generate a list of potential improvements for my business website.
15. Can you help me create a roadmap for my product?
16. Write a thank you letter to a business partner.
17. What are some effective strategies for stress management as a founder?
18. Provide tips for effective team meetings.
19. How can I improve customer retention in my business?
20. Can you help me create a basic financial model for my startup?
21. Write a press release for my startup's latest achievement.
22. Can you provide a list of relevant industry conferences?
23. How can I improve team communication in my startup?
24. Help me develop a customer persona.
25. Give me a list of potential market segments for my product.
26. Draft an announcement for a new product launch.
27. Explain the principles of lean startup methodology.
28. Can you explain the benefits and drawbacks of venture capital?
29. Assist in creating a competitive analysis.
30. Provide a summary of the best books for entrepreneurs.
31. How can I effectively manage my time as a startup founder?
32. Generate a list of potential collaborators in my industry.
33. Can you help me understand the basics of SEO?
34. Write a professional networking email for me.
35. How can I improve my personal productivity as a founder?
36. Generate a list of best practices for managing remote teams.
37. Outline a process for hiring the best talent for my startup.
38. Prepare a script for a sales call.
39. What are the key components of a successful pitch deck?
40. Review my business pitch and suggest improvements.
41. Generate ideas for social media content relevant to my business.
42. Explain the fundamentals of blockchain technology.
43. Create an FAQ for my website based on my business description.
44. Provide me a list of key metrics to track for a tech startup.
45. Help me create a SWOT analysis for my business.
46. Draft an elevator pitch for my business.
47. Assist in brainstorming names for my new product.
48. Give me a list of potential marketing strategies for my product/service.
49. Can you summarize the latest articles about AI developments?
50. Help me generate a business plan for my startup.

TOP 30 BEST ONLINE COURSES IN ARTIFICIAL INTELLIGENCE FOR 2023 - LATEST UPDATE

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NO	COURSE	BY	DESCRIPTION	LINK
1	Artificial Intelligence: Implications for Business Strategy (MIT Management Executive Education)	MIT MANAGEMENT EXECUTIVE EDUCATION	A step-by-step guide designed to teach you the fundamental concepts of AI and its business applications to better business strategies. Learn to gain strategic advantage by using different kinds of intelligence and how to evaluate the appropriateness of a business application. Be able to build a framework for an organization to gain strategic advantage with artificial intelligence. Gain relevant competencies and earn valuable recognition from an international selection of universities	https://mit-online.getsmarter.com/presentations/lp/mit-artificial-intelligence-online-short-course/
2	Post Graduate Certificate Program in AI and Machine Learning (IBM – Purdue University)	PURDUE UNIVERSITY	A practical postgraduate program that will take you on a learning journey to help you cultivate your career in AI, Deep learning, and Machine learning. Learn about multiple AI-based technologies, such as machine learning, deep learning, computer vision, natural language processing, reinforcement learning, and speech recognition. Master the concepts of Deep Learning that will help you build artificial neural networks and traverse layers of data abstraction with tools like TensorFlow and Keras. Know about the concepts of NLP, feature engineering, automated speech recognition, speech to text conversion, text to speech conversion, and voice assistant devices	https://www.simplilearn.com/pgp-ai-machine-learning-certification-training-course
3	Artificial Intelligence (Northwestern | Kellog School of Management)	Northwestern	Kellogg School of Management	Learn to manage customer expectations and develop AI models accordingly. Multiple case studies that allow you to get a better understanding of the challenges faced in the real world. Get answers to your queries from a dedicated support team. Complete the exercises and get feedback on your performance. Work with real-life-based data. Pass the exam with at least 80% to earn the certification.	https://online.em.kellogg.northwestern.edu/artificial-intelligence
4	Artificial Intelligence: Business Strategies and Applications (Berkeley ExecEd)	BerkeleyExecEd	Designed with a hands-on approach that will help you build a bridge between engineering and technical aspects of AI with business applications. Learn how to organize and manage successful AI application projects while avoiding pitfalls associated with these new technologies. Grasp the technical aspects of AI so that you can communicate effectively with technical teams and colleagues. Build your leadership credibility by obtaining a certificate of completion from UC Berkeley Executive Education. Gain continuous support and assistance from the world-class faculty who will help you understand the critical concepts	https://em-executive.berkeley.edu/artificial-intelligence-business-strategies
5	Designing and Building AI Products and Services (MIT xPRO)	MIT xPRO	A well-structured program to help you learn the various stages of designing AI-based products with a broad understanding of data analytics. Gain knowledge of the fundamentals of the machine and deep learning algorithms while applying the insights to solve practical problems. Improve your overall understanding of AI technology fundamentals and tools while exploring multiple design processes. Learn to differentiate between machine learning algorithms, design AI products to solve organizational issues, and apply machine learning methods. Be able to assess multiple AI opportunities in various fields like healthcare, IT, and education	https://executive-ed.xpro.mit.edu/designing-building-ai-products-services
6	Artificial Intelligence & Machine Learning Bootcamp (Caltech CTME)	Caltech	A well-established and recognized curriculum that will take you on an exclusive tour for NASA's Jet Propulsion Lab and Caltech's Robotics Lab. Validate your AI & ML skills by receiving a program completion certificate from Caltech CTME and IBM certificates for IBM courses. Earn up to 22 CEUs from Caltech CTME and Caltech CTME Circle Membership on the completion of the program. Learn about several technologies, including deep learning, NLP, neural networks, speech recognition, and computer vision	https://pg-p.ctme.caltech.edu/ai-machine-learning-bootcamp-online-certification-course
7	Machine Learning AI Certification by Stanford University (Coursera)	Stanford University	Understand parametric and non-parametric algorithms, clustering, dimensionality reduction among other important topics. Gain best practices and advice from the instructor. Interact with your peers in a community of like-minded learners from all levels of experience. Real-world based case studies give you the opportunity to understand how problems are solved on a daily basis. The flexible deadline allows you to learn at your convenience. Learn to apply learning algorithms to build smart robots, understand text, audio, database mining.	https://www.coursera.org/learn/machine-learning
8	IBM AI Engineering Professional Certificate (Coursera)	IBM	Learn how to utilize the popular machine learning and deep learning libraries like SciPy, ScikitLearn, PyTorch, etc. Learn how TensorFlow is applied to industry problems involving text analytics, object recognition, natural language processing, and other types of classifiers. Dive into the individual concepts of machine learning with an approachable and professional programming language, Python. Obtain the skills to scale data science and machine learning tasks using Big Data sets using Apache Spark. Be able to build, train, and deploy different types of deep architectures, as well as convolutional networks, recurrent networks, and autoencoders	https://www.coursera.org/professional-certificates/ai-engineer
9	Professional Certificate in Machine Learning and Artificial Intelligence (Imperial College Business School)	Imperial College Business School	Executive Education	Learn about the latest AI tools, techniques, and applications to stay ahead of the curve and gain better growth trajectories. Leverage the power of data and evaluate standard machine learning methods to improve predictive performance and refine decision-making strategies. Equip yourself with a unique combination of advanced technical expertise and business acumen that will give you a competitive edge. Earn a verified digital certificate of completion from Imperial College Business School Executive Education to enhance your career growth	https://execed-online.imperial.ac.uk/professional-certificate-ml-ai
10	Artificial Intelligence Courses (Including Free Courses) (Udemy)	Udemy	A massive list of AI courses to choose from, each of which is designed to give you in-depth knowledge of basics as well as advanced concepts. Developed and reviewed by expert instructors of AI who will assist you at every stage of learning. Avail multiple video lectures, notes, quizzes, and practice exams to review your skills and test your knowledge in the subject. Learn skills like Python programming, machine learning, deep learning, neural networks, TensorFlow, and much more	https://www.udemy.com/topic/artificial-intelligence/
11	Free Course Trial – AI For Everyone by Andrew Ng (Coursera)	DeepLearning.AI	Understand what it is like to build machine learning and data science projects. Work with an artificial intelligence team and build a strategy in your company. Navigate ethical and societal discussions surrounding this field. The lessons do not require any prerequisites, hence it can be taken by anyone with any level of experience. The deadlines of the classes can be adjusted as per your convenience.	https://www.coursera.org/learn/ai-for-everyone
12	Machine Learning: Fundamentals and Algorithms (Carnegie Mellon University)	Carnegie Mellon University School of Computer Science Executive Education	A comprehensive learning program ideally designed for individuals who have Python programming experience and want to expand their knowledge in ML algorithms. Learn how to work with analytics in a data-dense environment with the responsibility of publishing reports. Learn how to synthesize machine learning components to generate functional tools for the prediction of unseen data. Be able to implement and analyze learning algorithms for classification, regression, and clustering. Involve yourself in the peer discussion sessions to resolve your queries and learn more about AI & ML.	https://execonline.cs.cmu.edu/machine-learning
13	Deep Learning by Andrew Ng (Coursera)	DeepLearning.AI	Learn about convolutional networks, RNNs, BatchNorm, Dropout and more. The lessons will help you to learn different techniques using which you can build models to solve real-life problems. Real-world case studies in fields such as healthcare, autonomous driving, sign language reading, music generation, and natural language processing are covered. Gain best practices and advice from industry experts and leaders. Complete all the assessments and assignments as per your schedule to earn the specialization completion certification.	https://www.coursera.org/specializations/deep-learning
14	Introduction to Artificial Intelligence by IBM (Coursera)	IBM	Learn and understand AI concepts and useful terms like machine learning, deep learning, and neural networks. No prior knowledge of programming or computer science required to enroll in this course. Get advice from experts about learning artificial intelligence better and how to start a career in this growing field. Be eligible to enter into other classes and programs like AI Foundations, IBM Applied AI professional certificate after finishing this course. 100% flexible course with no deadlines and freedom to study from your own pace	https://www.coursera.org/learn/introduction-to-ai
15	The Business of AI (London Business School)	London Business School	A valuable program to help you stay up-to-date with AI technology trends, understand different applications of AI, and learn how to implement it in your business to reduce costs. Learn how to use tools for developing a relationship with early customers and managing cash flows with a pay-in-advance model. Be able to examine positive and negative experiences that you may encounter while applying AI applications in your organization, and learn how to anticipate and prevent potential problems.	https://www.london.edu/executive-education/online-courses/the-business-of-ai
16	TensorFlow for Artificial Intelligence by deeplearning.ai (Coursera)	DeepLearning.AI	This lesson can be taken by anyone who has prior experience in Python. The instructor helps you to work with the fundamental concepts with the help of examples. Build a basic neural network and train it for a computer vision application. Understand how to use convolutions to improve your neural network. The training consists of tips and techniques along with assessments.	https://www.coursera.org/learn/introduction-tensorflow
17	Become an AI Product Manager Nanodegree Certification (Udacity)	UDACITY	Learn from a team of expert instructors who designed this course keeping end-user requirements in mind. Gain foundational knowledge of machine learning and artificial intelligence, and learn how to develop a business case for an AI app. Learn how to create a high-quality data set and how data fits in a particular use case. A flexible learning program that allows you to learn from your own pace without any deadlines. Avail resume services, LinkedIn profile review, GitHub review, and interview preparation classes	https://www.udacity.com/course/ai-product-manager-nanodegree--nd088
18	Artificial Intelligence Nanodegrees (Udacity)	UDACITY	One of the best platforms to get started with free AI and ML courses. Get a 1-on-1 technical mentor who will guide you to learn every concept deeply and answer your queries while keeping you motivated. Learn from your own pace with flexible learning program and easy monthly payments. Access real-world projects designed by industry experts to master your tech skills. Get a Certification of Completion with every course that you complete	https://www.udacity.com/school-of-ai
19	Free Artificial Intelligence Courses (edX)	edX	A variety of courses to choose from based on your knowledge and requirements that will help you learn core concepts. Know about the fundamentals of AI, Machine Learning, Robotics, and how they are useful in the upcoming time. Understand computer science, math, psychology, natural language processing, neuroscience, data science, and many other disciplines. Learn how to manipulate robotic arms, represent 2D and 3D spatial relationships, and explore unsupervised learning techniques. Take guidance and help from instructors of top institutions who will assist you at every step of learning	https://www.edx.org/learn/artificial-intelligence
20	Artificial Intelligence A-Z: Learn How To Build An AI (Udemy)	Udemy	As this is a beginner level course, therefore this course is perfect for learners with little or no basic programming experience. Concepts covered include deep convolutional Q-Learning, the theory behind Artificial Intelligence and more. Build a virtual self-driving car and to optimize it. Continuous support from the instructors and doubt clarification. 113 Lectures + 14 Articles + Full lifetime access. Complete guidance to perform all the necessary configuration and installations.	https://www.udemy.com/course/artificial-intelligence-az/
21	Introduction to Generative AI	Google Cloud	Designed to be an overview of what generative AI is and how it differs from machine learning methods.	https://www.cloudskillsboost.google/course_templates/536
22	Introduction to Large Language Models	Google Cloud	Explores what large language models are, where they are used, and how to use prompt tuning. (If you haven't noticed, prompt writing is being touted as a skill of the future right now.)	https://www.cloudskillsboost.google/course_sessions/3634938/video/379143
23	Introduction to Responsible AI	Google Cloud	An ethical course on what responsible AI is, how it's implemented in Google products, and why it's important. This course introduces Google's 7 AI Principles. I didn't know this was a thing, but there's a whole page devoted to it. Covering topics from social responsibility, to safety, accountability and privacy design principles, I was happy to see that there is large effort being paid to build in solid principles.	https://www.cloudskillsboost.google/course_templates/554
24	Generative AI Fundamentals	Google Cloud	A quiz covering topics from the first three courses.	https://www.cloudskillsboost.google/course_sessions/3652912/quizzes/381263
25	Introduction to Image Generation	Google Cloud	An introduction to diffusion models which are a family of models used in image generation. Some pre-existing knowledge of machine learning, deep learning, convolutional neural nets and/or Python programming is suggested.	https://www.cloudskillsboost.google/course_templates/541
26	Encoder-Decoder Architecture	Google Cloud	Overview of a machine learning architecture for tasks like machine translation, text summarization, and question answering. Python and Tensorflow knowledge is suggested as a prerequisite.	https://www.cloudskillsboost.google/course_templates/543
27	Attention Mechanism	Google Cloud	A technique that allows neural networks to focus on specific parts of an input sequence. Some pre-existing knowledge of machine learning, deep learning, natural language processing, and/or Python programming is suggested.	https://www.cloudskillsboost.google/course_templates/537
28	Transformer Models and BERT Model	Google Cloud	Bidirectional Encoder Representations from Transformers...this is what BERT stands for in case you didn't know. You'll learn the main components of the Transformer architecture and intermediate machine learning experience as well, and knowledge of Python and TensorFlow are recommended.	https://www.cloudskillsboost.google/course_sessions/3635001/video/377866
29	Create Image Captioning Models	Google Cloud	How to create an image captioning model using deep learning. Deep learning, machine learning, natural language processing, computer vision and Python are recommended prerequisites.	https://www.cloudskillsboost.google/course_sessions/3652936/video/379207
30	Introduction to Generative AI Studio	Google Cloud	You'll walk through demos of the Generative AI Studio which helps prototype and customize generative AI models. There is a hands-on lab at the en	https://www.cloudskillsboost.google/course_templates/552

Made by **AI Fire.**
Find the high-quality version at **AIFire.co**
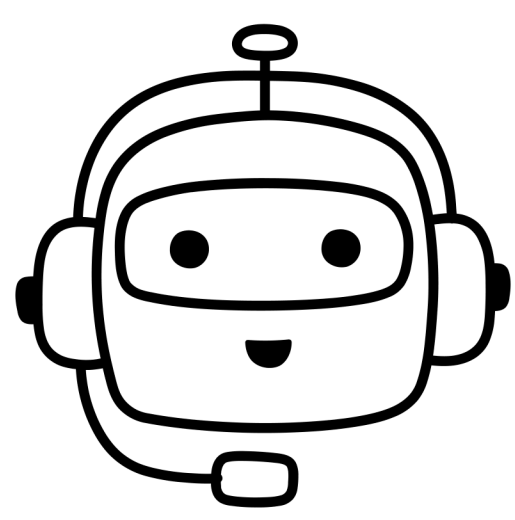
CHATGPT CHECKLIST

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TECH TREND UPDATES
- Follow tech news sources
- Attend tech webinars
- Research emerging tech
- Experiment with new tech
- Analyze impact of new tech
- Apply new tech knowledge

SKILL DEVELOPMENT
- Identify a skill to develop
- Research learning resources
- Create a learning schedule
- Practice new skill regularly
- Evaluate skill progress
- Apply new skill

CRM ASSISTANCE
- Learn basics of a CRM
- Input customer data
- Track customer interactions
- Generate CRM reports
- Analyze CRM data
- Refine CRM strategies

PROJECT MANAGEMENT
- Define project goals
- Create a project plan
- Allocate resources
- Monitor project progress
- Adjust project plan
- Review project outcome

DATA VISUALIZATION
- Collect relevant data
- Choose appropriate visualizations
- Create a basic chart
- Refine and customize chart
- Present data visually
- Analyze visualized data

MARKETING INSIGHTS
- Research marketing trends
- Develop a marketing plan
- Implement marketing strategies
- Track campaign performance
- Analyze marketing data
- Adjust marketing strategies

CODING ASSISTANCE
- Learn a coding language
- Practice with simple projects
- Debug your code
- Write a complex program
- Test the program
- Refine and optimize code

TIME MANAGEMENT
- Prioritize tasks
- Create a schedule
- Break tasks into steps
- Track time spent on tasks
- Evaluate time management
- Adjust and improve

BUSINESS COMMUNICATION
- Draft a business email
- Edit for clarity and tone
- Use professional format
- Practice business calls
- Develop a presentation
- Present to a mock audience

INDUSTRY RESEARCH
- Identify industry of interest
- Research current trends
- Analyze competition
- Compile research findings
- Present findings
- Develop action plans

TASK AUTOMATION
- Identify repetitive tasks
- Develop automation plan
- Write automation script
- Test the script
- Implement automation
- Monitor and tweak as needed

DATA ANALYSIS
- Gather data
- Clean and format data
- Analyze data
- Interpret findings
- Create a report
- Present results

PROBLEM-SOLVING
- Identify a problem
- Research possible solutions
- Design an action plan
- Implement the plan
- Evaluate the results
- Adjust the plan if necessary

CONTENT CREATION
- Find popular content themes
- Develop a content calendar
- Write a blog post
- Edit and proofread content
- Publish and promote content
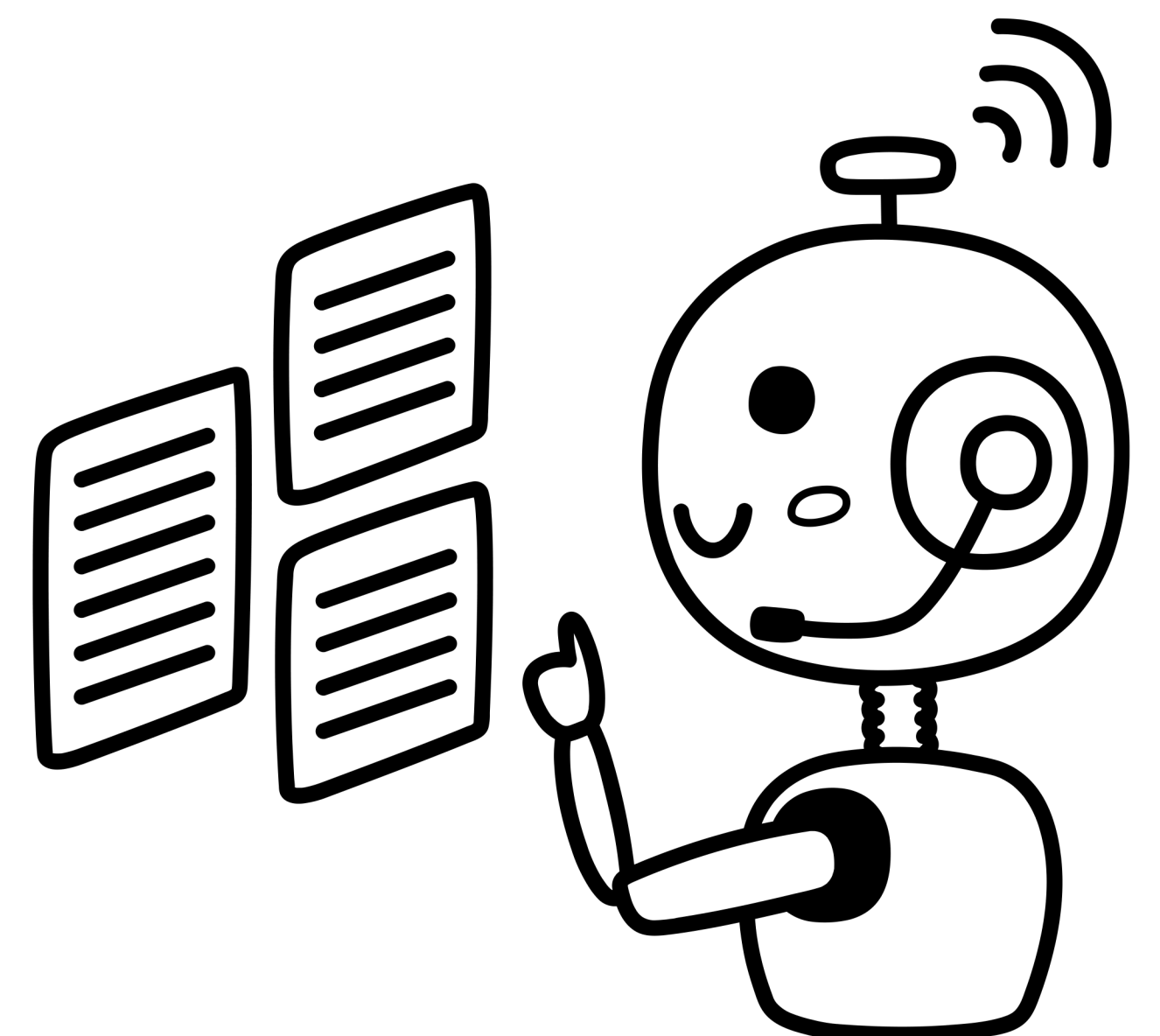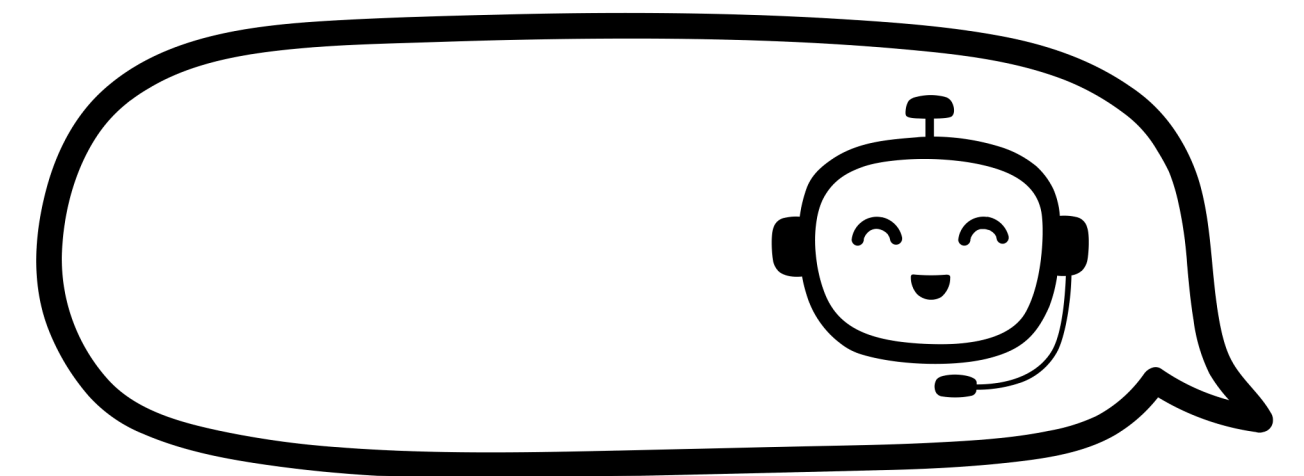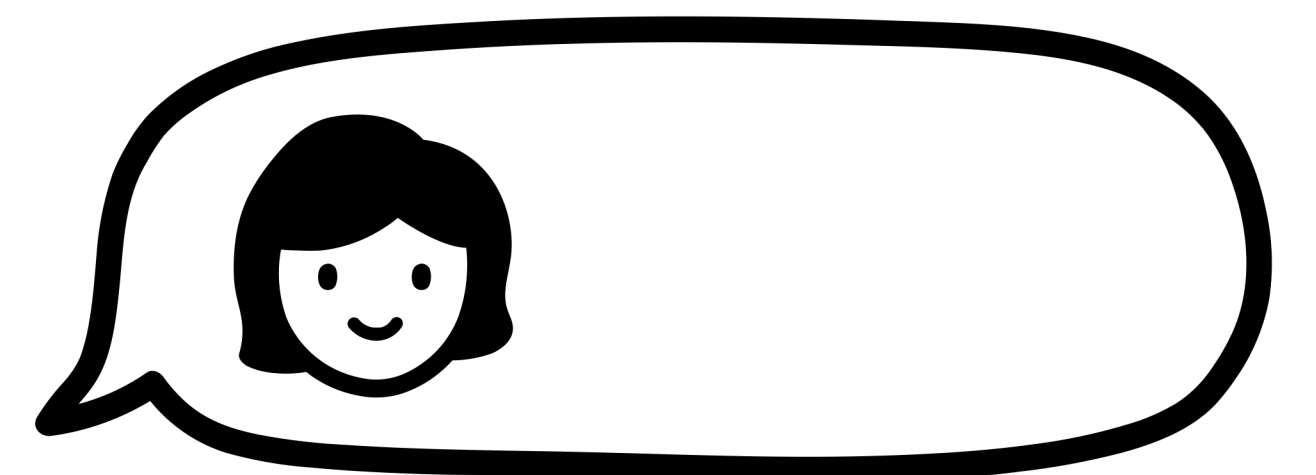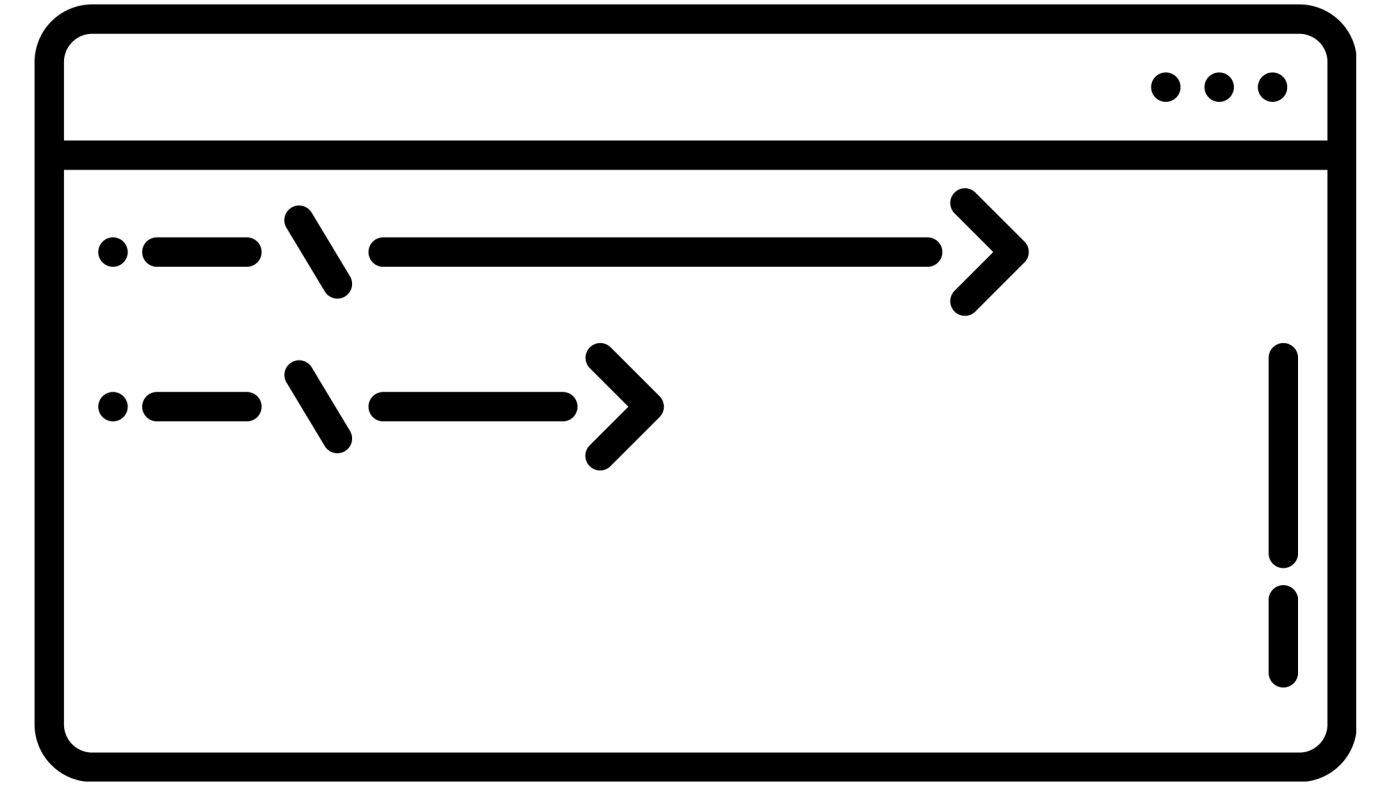- Analyze content performance

AI BASICS
- Learn ChatGPT basics
- Practice with ChatGPT
- Create simple AI chatbot
- Explore advanced AI concepts
- Experiment with AI in business
- Keep updated on AI trends

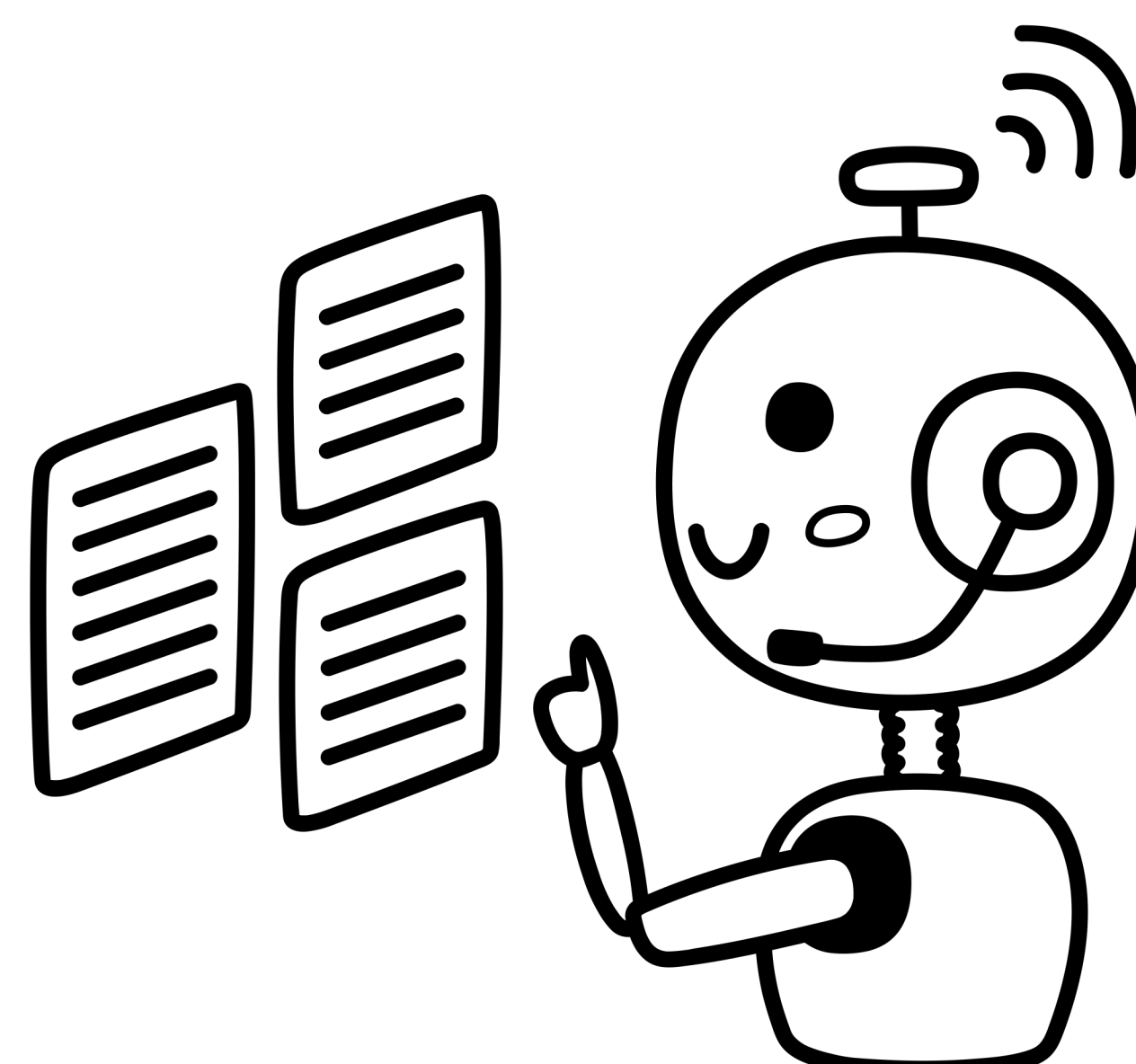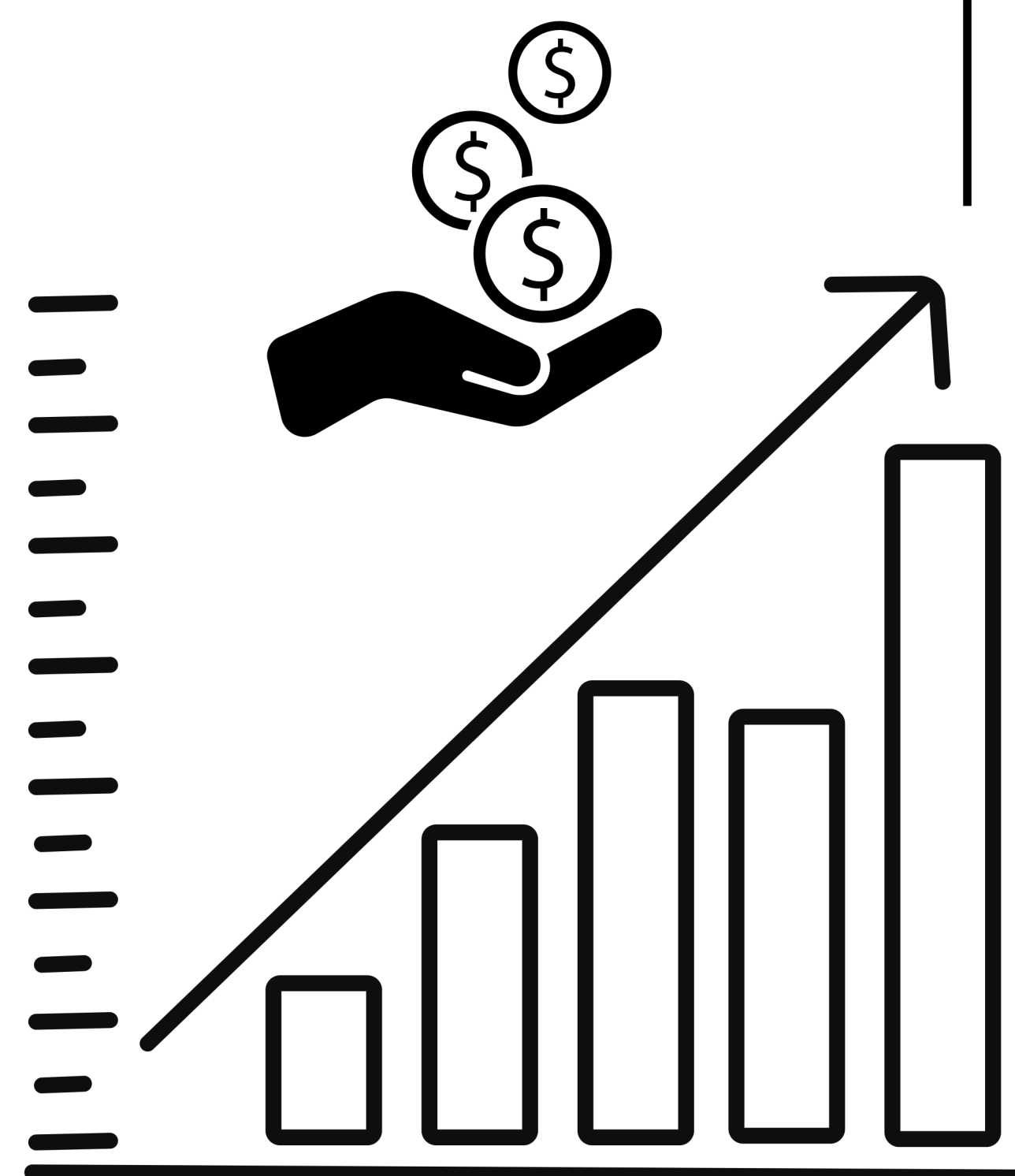1. Write a description of a beautiful beach scene.
2. Provide an easy recipe for homemade bread.
3. What are the factors leading to the French Revolution?
4. Write a detailed guide on how to play chess.
5. Explain the basics of photography.
6. How do I troubleshoot a slow computer?
7. Write a monologue about a character who is afraid of the dark.
8. Describe the process of making cheese.
9. What are the key features of a sonnet?
10. Write a short horror story set in an abandoned mansion.
11. Explain the difference between socialism and capitalism.
12. Provide tips on how to write a compelling CV/resume.
13. Write a recommendation letter for a student applying to university.
14. How do I take care of a puppy?
15. Give a brief history of the computer.
16. Explain the principles of mindfulness and meditation.
17. What are the cultural impacts of the Renaissance period?
18. Describe the symbolism in the painting "The Starry Night" by Vincent Van Gogh.
19. Provide a recipe for a vegan chocolate cake.
20. Give an overview of the human digestive system.
21. Write an apology letter for a missed appointment.
22. What are the differences between classical and quantum physics?
23. Give me a list of tips for effective studying.
24. Write a letter of complaint about a defective product.
25. How do I plant a vegetable garden?
26. Provide an analysis of the poem "The Road Not Taken" by Robert Frost.
27. How can I improve my public speaking skills?
28. Explain the concept of gravity to a five-year-old.
29. Write an introductory paragraph for an essay about the impact of technology on society.
30. Describe the characteristics of a good leader.
31. Create a workout plan for someone just starting to exercise.
32. What are the main themes of the novel "1984" by George Orwell?
33. Explain the steps of the scientific method.
34. Write a dialogue between two characters arguing about pizza toppings.
35. Suggest a healthy meal plan for a week.
36. How does climate change affect our environment?
37. Write a review for the movie "Inception."
38. Create a beginner's guide to cooking pasta.
39. How does a combustion engine work?
40. Provide a summary of World War II.
41. What are the benefits and drawbacks of artificial intelligence?
42. Write a persuasive speech about the importance of recycling.
43. Give me three reasons why exercise is beneficial.
44. Translate this English phrase into Spanish: "How's the weather today?"
45. Describe the process of photosynthesis in simple terms.
46. What is the significance of Shakespeare's "Hamlet"?
47. Write a poem about the beauty of the night sky.
48. Explain the theory of evolution.
49. Summarize the plot of "Pride and Prejudice."
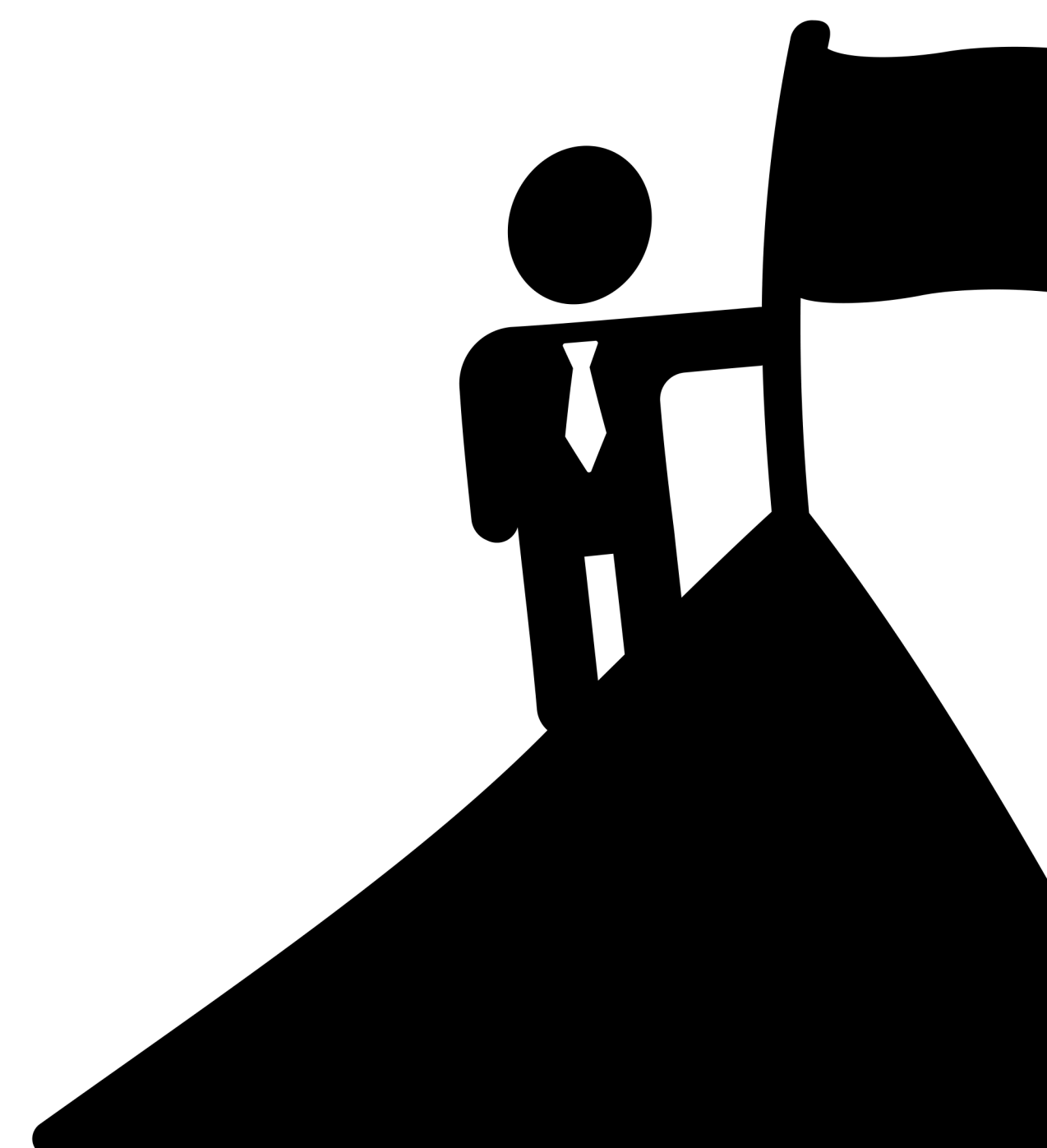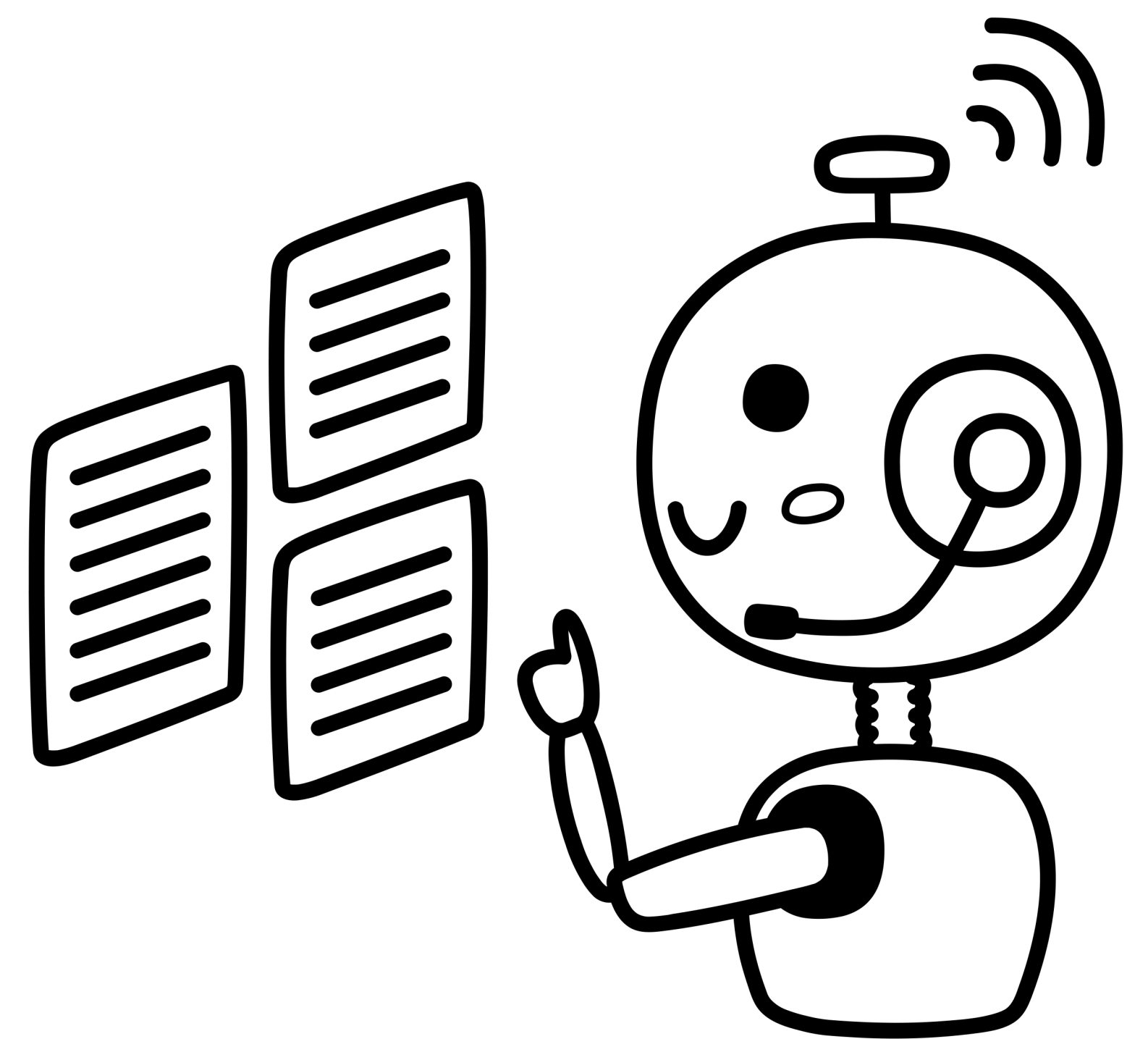50. Write a short story about a journey to a magical land.

1. Create a sequence of follow-up emails after a trade show or event.
2. Provide tips for building and maintaining strong relationships with clients.
3. Help me brainstorm unique selling propositions for product X.
4. Generate a pitch for selling our service packages.
5. Write an email to a client explaining a delay in service or product delivery.
6. Provide strategies for cross-selling related products.
7. Generate a series of tweets promoting a new product.
8. Write a script for a voicemail to a potential customer.
9. Help me create a one-pager on the main selling points of product Z.
10. Explain how to effectively communicate the return on investment (ROI) to potential clients.
11. Write an email informing customers about an upcoming sale.
12. Create a plan for re-engaging with dormant clients.
13. Provide suggestions for overcoming sales objections.
14. Generate a follow-up email after a product demonstration.
15. Provide a strategy for increasing product Y's market share.
16. Develop a script for handling a difficult customer on a call.
17. Help me draft a response to a customer requesting a discount.
18. Write a response to a customer's positive feedback.
19. Create a template for a sales proposal.
20. Generate a catchy headline for a sales campaign.
21. Provide an outline for a product demonstration.
22. Write a response to a customer's complaint about a product delivery delay.
23. Create a list of action steps to improve customer engagement.
24. Help me understand how to upsell product X to existing clients.
25. Write a persuasive LinkedIn InMail to a potential customer.
26. Develop a customer profile for product Z.
27. Provide talking points for a negotiation meeting with a big client.
28. Generate a summary of a customer satisfaction survey.
29. Draft a response to a customer inquiry about the functionalities of product Y.
30. Generate a monthly sales report template.
31. Write a script for a cold call to a prospective customer.
32. Create a list of potential leads in the healthcare industry.
33. Help me prepare for a sales presentation for potential client B.
34. Write an email announcing a new product update or feature to existing clients.
35. Explain how product X can solve problems faced by businesses in the software industry.
36. Draft a thank-you email after a successful sale.
37. Provide tips on closing a sale effectively.
38. Generate an email response to a client who has concerns about product Z's price.
39. Create an executive summary of our product Y for a business presentation.
40. Assist me in setting up a sales strategy for the Q3.
41. Describe the competitive advantages of product X over its rivals.
42. Generate a proposal for a business deal with potential client A.
43. Write a script for a sales call for product Z.
44. Provide a list of questions to better understand a client's needs.
45. What are the best ways to demonstrate the value of product Y to a client?
46. Help me understand the key features and benefits of product X.
47. Develop responses to common objections to product Z.
48. Create a follow-up email after a sales meeting.
49. Write an introductory email to a potential client for product Y.
50. Generate a persuasive sales pitch for product X.

50 ESSENTIAL CHATGPT PROMPTS FOR ENTREPRENEURS

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1. Can you suggest some team-building activities for my startup?
2. Provide tips on how to maintain a healthy work-life balance as a founder.
3. Draft an apology letter for a customer issue.
4. Can you help me brainstorm potential challenges my startup might face?
5. Assist in creating an onboarding process for new employees.
6. How can I effectively use social media for my business?
7. Write a brief for a marketing agency.
8. What are some ways I can encourage innovation in my team?
9. Can you help me understand the basics of data privacy and its importance?
10. Assist in creating a checklist for launching a new product.
11. Generate ideas for a company retreat.
12. Can you provide a basic explanation of machine learning and its business applications?
13. Help me understand the key legal considerations for startups.
14. Generate a list of potential improvements for my business website.
15. Can you help me create a roadmap for my product?
16. Write a thank you letter to a business partner.
17. What are some effective strategies for stress management as a founder?
18. Provide tips for effective team meetings.
19. How can I improve customer retention in my business?
20. Can you help me create a basic financial model for my startup?
21. Write a press release for my startup's latest achievement.
22. Can you provide a list of relevant industry conferences?
23. How can I improve team communication in my startup?
24. Help me develop a customer persona.
25. Give me a list of potential market segments for my product.
26. Draft an announcement for a new product launch.
27. Explain the principles of lean startup methodology.
28. Can you explain the benefits and drawbacks of venture capital?
29. Assist in creating a competitive analysis.
30. Provide a summary of the best books for entrepreneurs.
31. How can I effectively manage my time as a startup founder?
32. Generate a list of potential collaborators in my industry.
33. Can you help me understand the basics of SEO?
34. Write a professional networking email for me.
35. How can I improve my personal productivity as a founder?
36. Generate a list of best practices for managing remote teams.
37. Outline a process for hiring the best talent for my startup.
38. Prepare a script for a sales call.
39. What are the key components of a successful pitch deck?
40. Review my business pitch and suggest improvements.
41. Generate ideas for social media content relevant to my business.
42. Explain the fundamentals of blockchain technology.
43. Create an FAQ for my website based on my business description.
44. Provide me a list of key metrics to track for a tech startup.
45. Help me create a SWOT analysis for my business.
46. Draft an elevator pitch for my business.
47. Assist in brainstorming names for my new product.
48. Give me a list of potential marketing strategies for my product/service.
49. Can you summarize the latest articles about AI developments?
50. Help me generate a business plan for my startup.

50 BEST CHATGPT PROMPTS FOR MAKING MONEY

1. Develop a tool that uses GPT to create unique branded content.
2. Create a platform that generates personalized study materials for different subjects.
3. Create an AI coach for public speaking, providing real-time feedback and advice.
4. Use GPT to create an automated transcription service with summary and key points.
5. Develop a platform that uses GPT to create product descriptions for ecommerce.
6. Develop a chatbot for coaching in competitive exams preparation.
7. Use GPT to create an AI tool for PR and communications strategies.
8. Develop an app that uses GPT to generate meal plans based on dietary needs and preferences.
9. Create a creative problem-solving tool that generates unique solutions.
10. Use GPT to create a virtual study buddy for students.
11. Develop a tool that uses GPT to create business plans or investor pitches.
12. Use GPT to create a dynamic AI game master for tabletop role-playing games.
13. Create a platform that provides personalized fashion advice based on user preferences.
14. Use GPT to create a virtual tour guide for historical sites and museums.
15. Develop a financial planning assistant for personal finance or small businesses.
16. Create an AI tool for drafting legal documents or contracts.
17. Develop a platform that uses GPT to create whitepapers or research summaries.
18. Use GPT to create a personalized travel guide generator.
19. Create a chatbot that provides tech support.
20. Develop a tool that uses GPT to create business plans or investor pitches.
21. Create an AI therapist app providing psychological support, stress relief, and daily mental health monitoring.
22. Implement GPT in a business intelligence tool to turn data into easy-to-understand reports and presentations.
23. Create a coding helper that assists users with debugging, understanding code, and learning new languages.
24. Develop an online tutoring platform where GPT helps students with homework, essays, and understanding complex topics.
25. Build a virtual assistant app that uses GPT for startups, small businesses, and freelancers.

26. Develop a virtual assistant that provides parenting advice or answers common parenting questions.
27. Use GPT to create a platform that generates quizzes for educational or marketing purposes.
28. Develop a platform that uses GPT to auto-generate recipes based on dietary restrictions or available ingredients.
29. Create an AI app for songwriting and music composition.
30. Develop a chatbot for real estate agencies to answer questions about listings.
31. Use GPT to create a service that generates personalized investment strategies.
32. Create a personalized fitness or diet plan generator with GPT.
33. Use GPT to create a platform that generates unique resumes and cover letters.
34. Develop a tool that uses GPT to automatically generate sales copy for ecommerce businesses.
35. Use GPT to develop an AI-based language learning app for efficient self-study.
36. Develop a platform that automatically generates study guides or summaries from textbooks or lengthy documents.
37. Create a chatbot for websites to enhance customer service.
38. Use GPT to create an AI-based job interview coach.
39. Develop a DIY project idea generator.
40. Use GPT to create a virtual debate opponent to help people prepare for debates or public speaking.
41. Develop a storytelling app for children, providing new bedtime stories every night.
42. Create a platform that generates personalized daily news summaries.
43. Use GPT to create a virtual life coach offering daily motivation and advice.
44. Create a personalized recommendation service for books, movies, music, etc.
45. Implement GPT in a tool that provides real-time language translation.
46. Develop a platform that uses GPT to create tailor-made workout routines.
47. Create a platform that writes custom marketing strategies for small businesses.
48. Develop a creative writing assistant for authors, providing inspiration, character development, and plot suggestions.
49. Use GPT to create a creativity booster app that offers inspiration for designers, artists, and creatives.
50. Create a content creation platform that auto-generates blog posts, social media posts, or email campaigns.

Master ChatGPT Prompt Guide

TEMPERATURE IN PROMPTING CHATGPT

PARAMETER	DESCRIPTION	EFFECT	EXAMPLE
High Temperature (e.g. 0.8 to 1.0)	The AI's responses are more diverse and creative	The AI may produce unexpected or more random responses	If asked to continue the story about a princess, the AI might introduce aliens or time travel
Medium Temperature (e.g. 0.5 to 0.7)	The AI's responses are balanced between randomness and focus	The AI might show moderate creativity, with responses that fit the context but include some surprising elements	If asked to continue the story about a princess, the AI might introduce a talking animal companion
Low Temperature (e.g.. 0.1 to 0.4)	The AI's responses are more deterministic and focused	The AI will stick closely to the most expected response, with little creativity	If asked to continue the story about a princess, the AI might stick with traditional fairy tale elements like a prince or a witch

TONES IN PROMPTING CHATGPT

TONE	DESCRIPTION	EXAMPLE PROMPT
Friendly	Conversational and warm	As a friendly AI, tell me a story about a dog.
Formal	Professional, polite, and without slang	As a formal AI, write a business proposal.
Casual	Informal, using colloquial language	As a casual AI, tell me how to make a sandwich.
Professional	Focused, clear, and businesslike	As a professional AI, explain the blockchain technology.
Humorous	Funny and entertaining	As a humorous AI, tell me a joke.
Sincere	Honest and heartfelt	As a sincere AI, tell me what you think about art.
Excited	Energetic and enthusiastic	As an excited AI, describe a roller coaster ride.
Encouraging	Positive and supportive	As an encouraging AI, motivate me to exercise.
Respectful	Polite and showing deference	As a respectful AI, explain cultural customs in Japan.
Enthusiastic	Eager and spirited	As an enthusiastic AI, describe the future of space travel.
Serious	Solemn and not joking	As a serious AI, discuss the implications of climate change.
Sarcastic	Ironic and satirical	As a sarcastically toned AI, tell me about the joys of rush hour traffic.
Sympathetic	Compassionate and understanding	As a sympathetic AI, respond to a sad personal story.

CHATGPT ULTIMATE PROMPTING GUIDE

Tone: Specify the desired tone (e.g. formal, casual, informative, persuasive).

Formal: Define the format or structure (e.g. essay, bullet points, outline, dialogue).

Act as: Indicate a role or perspective to adopt (e.g. expert, critic, enthusiast).

Objective: State the goal or purpose of the response (e.g. inform, persuade, entertain).

Context: Provide background information, data, or context for accurate content generation.

Scope: Define the scope or range of the topic.

Keywords: List important keywords or phrases to be included.

Limitations: Specify constraints, such as word or character count.

Examples: Provide examples of desired style, structure, or content.

Deadline: Mention deadlines or time frames for time-sensitive responses.

Audience: Specify the target audience for tailored content.

Language: Indicate the language for the response, it different from the prompt.

Citations: Request inclusion of citations or sources to support information.

Points of view: Ask the AI to consider multiple perspectives or opinions.

Counterarguments: Request addressing potential counterarguments.

Terminology: Specify industry-specific or technical terms to use or avoid.

Analogies: Ask the AI to use analogies or examples to clarify concepts.

Quotes: Request inclusion of relevant quotes or statements from experts.

Statistics: Encourage the use of statistics or data to support claims.

Visual elements: Inquire about including charts, graphs, or images.

Call to action: Request a clear call to action or next steps.

Sensitivity: Mention sensitive topics or issues to be handled with care or avoided.
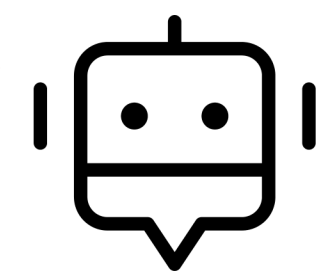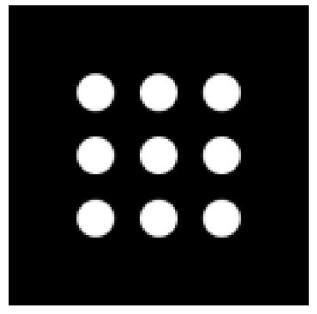
52 ChatGPT Alternatives 2023

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NO SIGN-UP
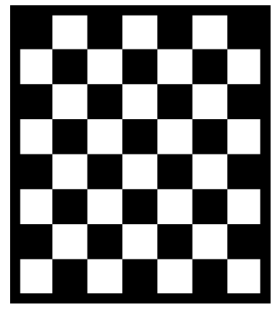
Perplexity AI	OraChat	GPTGO	NoowAI	BAI Chat	Phind AI	Vitalentum	Teach Anything
AnonChatGPT	iAsk AI	Character AI	GPT4All	DeepAI Chat	Forefront AI	Vicuna	
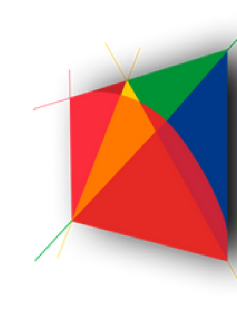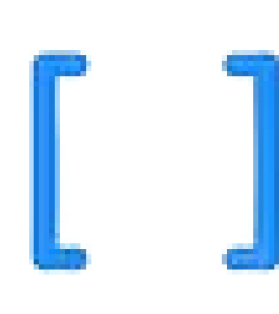
SIGN-UP
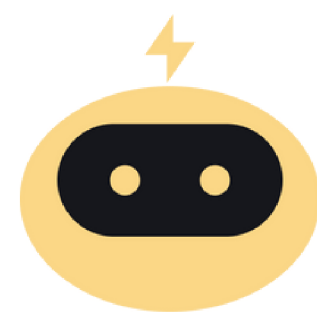
Poe AI	Bard	AI.LS	WriteSonic	CapeChat
YouChat	GlobalGPT	Bing Chat	JimmyGPT	Codeium
Easy-Peasy AI	Sincode AI	Frank AI	HuggingChat	
LetsView Chat	Open-Assistant	OpenAI Playground		
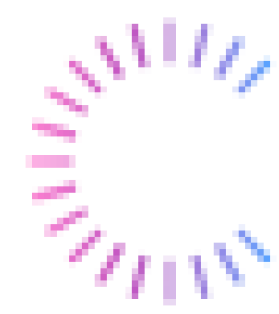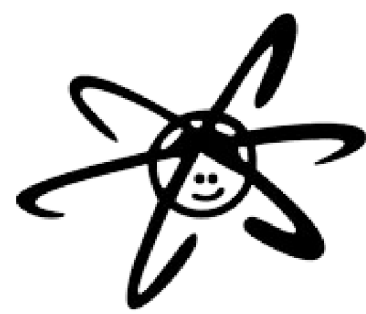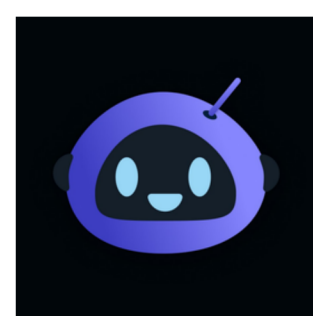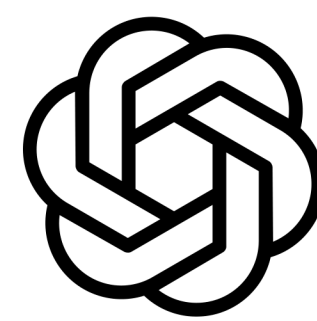
BEST FILE CHATBOTS

AnySummary	ChatDOC	Humata AI
Ask Your PDF	ChatPDF	FileGPT
Pensieve AI	PDFGPT	Docalysis
Sharly AI	ResearchAide	
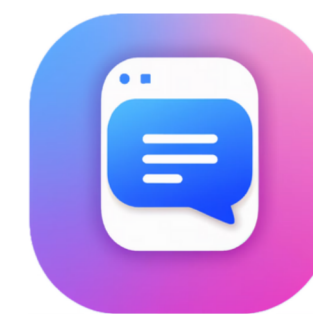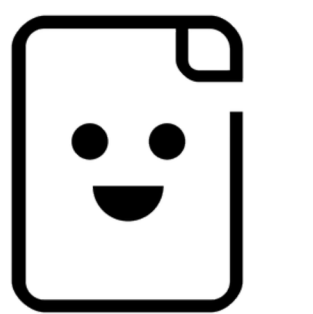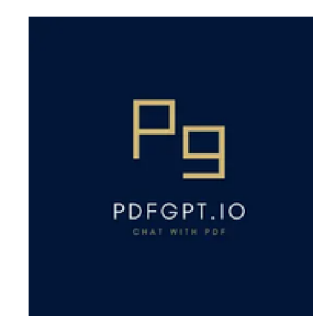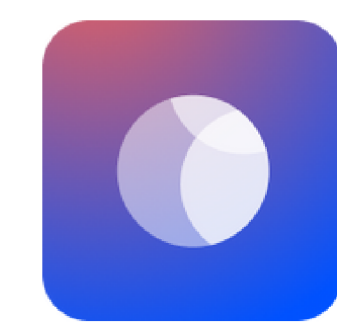
GREAT FOR BLOG ARTICLES (WITH CHATBOT)

Copy AI	Marmof	HyperWrite
TextCortex AI	WriterX	
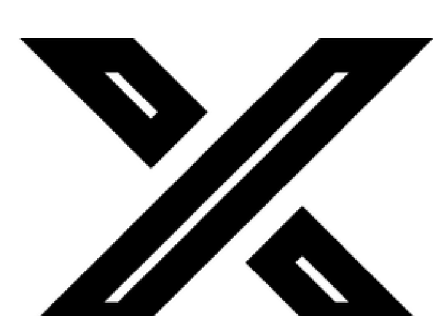
BEST PERSONAL ASSISTANT CHATBOTS
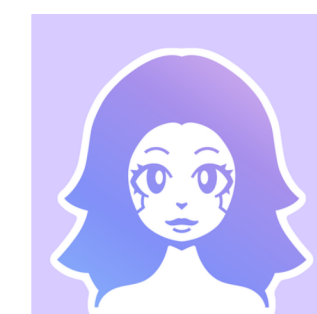
Kuki AI	YourHana AI	Replika	Pi, your personal AI
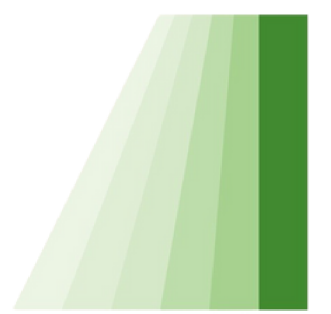
Made by AI Fire.

Find the high-quality version at <u>AIFire.co</u>

AI Jobs Landscape

30 AI FUTURE JOBS

1. **AI Policy Maker**: Professionals who develop and update regulations and policies related to the use and impact of AI.
2. **Ai Auditor**: Reviews AI systems for compliance with regulations and ethical standards.
3. **AI Biased Checker**: Specializes in identifying and mitigating biases in AI algorithms.
4. **AI Ethics Consultant**: Helps organizations navigate ethical issues related to AI, like privacy and fairness.
5. **AI User Experience Designer**: Specializes in designing interfaces and experiences for AI systems.
6. **AI Data Privacy Manager**: Ensures that AI systems handle data in compliance with privacy laws and regulations.
7. **AI-Specigic Legal Consultant**: Provides legal advice on AI-related matters, such as intellectual property rights for AI-created content.
8. **AI Training Data Specialist**: Focuses on sourcing and organizing data for training AI models.
9. **AI Interpreter**: Helps humans understand and interpret AI outputs.
10. **AI Psychologist**: Works on understanding AI behavior and even "mental health" (for sophisticated AI).
11. **AI Cybersecurity Specialist**: Works on security challenges specific to AI systems.
12. **AI Disaster Recovery Specialist**: Develops plans and strategies for AI system failures.
13. **Human-AI Interaction Specialist:** Works on improving the interaction between humans and AI systems.
14. **AI Sustainability Officer**: Ensure the environmental sustainability of AI systems.
15. **AI in Education Specialist**: Develops AI tools and strategies for educational settings.
16. **AI Healthcare Consultant**: Specializes in the application of AI in medical and healthcare contexts.
17. **AI Social Worker**: Helps society adapt to changes brought about by AI, like job displacement.
18. **AI Communications Director**: Manages communication about an organization's AI activities and strategies.
19. **AI Talent Acquisition Specialist**: Specializes in hiring for AI-related roles.
20. **AI Therapy Manager**: Provides service to help people manage the psychological impact of interacting with AI, such as in therapy bots,
21. **AI Content Creator**: Develops content for AI platforms like chatbots, virtual assistants, and AI-driven social media.
22. **AI in Agriculture Specialist**: Applies AI to farming, crop management, and livestock monitoring.
23. **AI in Climate Change Specialist**: Use AI to model, understand, and combat climate change.
24. **Prompt Engineer**: Specializes in designing and refining conversational prompts for AI language models, enhancing the quality of interactions.
25. **AI Security Engineer**: Specializes in securing AI systems from cyber threats and vulnerabilities, ensuring that AI technologies are used safely and securely.
26. **AI Solutions Product Manager**: Oversees the development of AI solutions, understanding customer needs and market trends to guide the creation of effective AI products.
27. **AI Bias Auditor**: Identifies and corrects biases in AI systems to ensure fairness and accuracy.
28. **AI Policy Advocate**: Works on shaping public and corporate policies related to AI use, focusing on privacy, transparency, and social impact.
29. **AI Data Privacy Specialist**: Ensure data privacy regulations and best practices.
30. **AI UX Researcher**: Studies how people interact with AI to improve usability and user satisfaction.

16 JOBS REPLACED BY AI

1. **Entry-Level Programming, Data Analysis and Web Development Roles**: AI could automate the creation of websites and perform data analysis tasks.
2. **Entry-Level Writing and Proofreading Roles**: AI can handle basic writing tasks and proofreading, potentially replacing these roles.
3. **Translation Jobs**: Improved language models may reduce the need for entry-level translators.
4. **Entry-Level Graphic Design Jobs**: AI tools can create basic graphics and logos, affecting graphic design jobs.
5. **Fast Food Order Taking Jobs**: AI-powered drive-thrus could replace human order takers.
6. **Accounting**: AI can automate straightforward accounting, bookkeeping, and payroll processes.
7. **Postal Service Clerical Jobs**: Automation could replace postal service clerks who manage package logistics.
8. **Data Entry Jobs**: AI-powered systems can automate data fetching, processing, and entry.
9. **Bank Teller Jobs**: AI could automate tasks like identity verification and transaction processing, replacing bank tellers.
10. **Administrative Support Jobs**: AI can handle tasks like scheduling, document preparation, and booking appointments.
11. **Legal Roles**: AI can automate tasks like document searching and appointment scheduling, affecting legal assistant jobs.
12. **Packers/Packagers**: Automation could replace roles in packing and organizing goods in warehouses.
13. **Entry-Level HR Roles**: AI can automate tasks like job application screening and payroll processing.
14. **Mathematical Technician Roles**: AI can quickly answer basic math questions, potentially replacing mathematical technicians.
15. **Insurance Claims and Policy Processing Jobs**: AI could automate background checks and insurance claim validity checks.
16. **Telemarketing**: AI can interact with customers, answer their questions, and solve their problems, potentially replacing telemarketers.

ChatGPT: From Zero to Hero Cheat Sheet

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KEY TERMS

Model: It's like the AI's brain that learned from lots of data.
Prompt: What you tell or ask the AI.
Input: What you provide to the AI, usually in the form of a prompt or question.
Output: The AI's response to your input.
Token: The smallest piece of text the AI can read. Could be a letter or a word.
Max Tokens: The total amount of text that the AI can handle at once.
OpenAI: parent company of ChatGPT.
Generative AI: category of AI that can "produce" content like text/images vs. specific tasks like predicting things.
Large language models: very big math equations that are very good at predicting the next word.
Prompt engineering: the "science" of sending the exact right messages to ChatGPT to get the output you want.
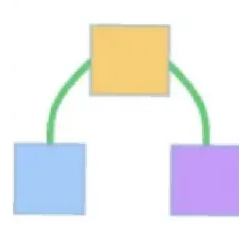
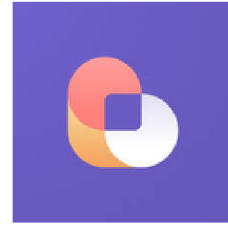## USEFUL CHATGPT PLUGINS
(REQUIRES CHATGPT PLUS $20/MONTH)

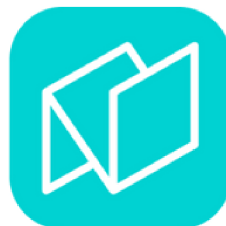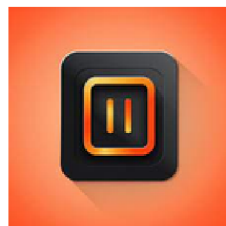|				
Zapier	Prompt Perfect	Show Me	Brandfetch	Bardeen
Noteable	Video Insights	B12 AI Websites	Substack IQ	AskYourPDF

TONES

Using different tones can make the AI adaptable to various scenarios, enhancing its versatility.
Professional: Great for technical information, important updates where the user may appreciate directness and clarity.
Friendly: It helps users feel more comfortable and promotes engagement.
Enthusiastic: Great for motivating users, introducing new features, or when trying to create excitement.
Empathetic: Useful in customer support scenarios or any situation where the user may be frustrated.
Instructional: Empower users and help them to understand complex processes better.
Reassuring: Great for stressful situations or when delivering bad news.
Inspirational: Motivate users to take action, try new features, or engage more deeply with your product.
"Tone: [x]" "Write using a [x] tone" CONVERSATIONAL LIGHTHEARTED PERSUASIVE SPARTAN FORMAL FIRM

FORMAT

"Be concise. Minimize excess prose."
"Use less corporate argon."
"Output as bullet points in short sentences.
"Output as a table with columns: [x], [y], [z], [a]
"Be extremely detailed."

MODES

Intern: "Come up with new fundraising ideas.
Thought Partner: "What should we think about when generating new fundraising ideas? %
Critic: "Here s a list of 10 fundraising ideas I created. Are there any I missed? Which ones seem particularly good or bad?
Teacher: "Teach me about [x]. Assume I know [x] and ad ust your language.

PROMPT STRUCTURES

The more specific the prompt is, the more desirable the outcomes will be
RTF: Role, Task, Format.
CTF: Context, Task, Format
RASCEF: Role, Action, Steps, Context, Examples, Format
PECRA: Purpose, Expectation, Context, Request, Action.
TREF: Task, Requirement, Expectation, Format.
GRADE: Goal, Request, Action, Detail, Examples.
ROSES: Role, Objective, Scenario, Expected Solution, Steps
RDIREC: Role, Definition, Intent, Request, Example, Clarification Tone
RSCET: Role, Situation, Complication, Expectation, Task
Two methods to prompting:
- Megaprompts: Write one big message that contains all of the above. E.g., ask for a full press release.
- Prompt chaining: Break down the task into smaller steps. E.g., start by asking for a blog post idea, then an outline, then the content.

MISC. TIPS

Encouragement = better: "You are world class at marketing."
Scolding also = better: "Make this better/more insightful.
If the output is bad, add more detail/background info
Ask it to check its work: "Are there any topics you missed?
Adjust temperature: Add "Temperature: x" to prompt. 1 = more creative (good for copywriting). O makes it more conservative (good for academic/formal).

OTHER CHATBOTS

Bing Chat	Anthropic Claude	Poe	Google Bard

COMMANDS

Act as: Directs the AI to assume a specific role.
Brainstorm: Spark creativity and explore different design solutions.
Reverse Engineer: Deconstruct a design or process to understand its components and logic.
In Simple Terms: Communicate complex ideas to non experts or clients.
Elaborate: Gain a deeper understanding of a concept, technique, or design principle.
List: Enumerate items, ideas, or steps.

PROMPT GENIUS

PromptHero	SnackPrompt
PromptBase	FlowGPT
Promptstacks	GitHub Awesome ChatGPT Prompts

KEY USE CASES

Summarizing long text, transcripts, articles, reports
Brainstorming ideas, outlines, new concepts
Synthesizing insights and takeaways from text
Writing blog posts, articles, press releases, standard operating procedures, pretty much any type of text
Coding scripts and small programs
Extracting data and patterns from messy text
Reformatting text/data from messy text to tables/structure

ChatGPT: From Zero to Hero Cheat Sheet!

USEFUL CHATGPT EXTENSIONS

Superpower ChatGPT	ChatGPT File Uploader	WebChatGPT: Internet Access
Prompt Storm	Prompt Genius	LINER: Copilot for Web & YouTube

Made by AI Fire.
Find the high-quality version at AIFire.co

The Evolution of AI

1943
McCullock & Pitts publish a paper titled 'A Logical Calculus of Ideas Immanent in Nervous Activity', proposing the groundwork for neural networks.

The Turing Test
Where a human evaluator engages in natural language conversation with a machine and a human.

1950
Turing publishes 'Computing Machinery and Intelligence', proposing the Turing Test as a way to measure a machine's ability.

1951
Marvin Minsky and Dean Edmonds build SNAR, the first neural network computer.

1974
The first AI winter begins, marked by a decline in funding and interest in AI research due to unrealistic expectations and limited progress.

1967
Newell and Simon develop the General Problem Solver (GPS), one of the first AI programs to demonstrate human-like problem-solving.

1965
Weizenbaum develops ELIZA: a natural language processing program that simulates conversation.

1957
Rosenblatt develops the Perceptron: the first artificial neural network capable of learning.

1956
The Dartmouth Conference (organised by McCarthy, Minsky, Rochester, and Shannon) is held, marking the birth of AI as a field of study.

1980
Expert systems gain popularity, with companies using them for financial forecasting and medical diagnoses.

1986
Hinton, Rumelhart, and Williams publish 'Learning Representations by Back-Propagating Errors', allowing much deeper neural networks to be trained.

Neural Networks
Machine learning models that mimic the brain, learning to recognize patterns and make predictions via artificial neuron connections

1997
IBM's Deep Blue defeats chess world champion Kasparov, marking the first time a computer beats a world champion in a complex game.

Natural Language Processing
Teaches computers to understand and use human language using techniques like machine learning

2015
AlphaGo, developed by DeepMind, defeats world champion Lee Sedol in the game of Go.

2012
Facebook creates DeepFace, a facial recognition system that can recognise faces with near-human accuracy.

2012
AI startup DeepMind develops a deep neural network that can recognize cats in YouTube videos.

DeepMind
Was acquired by Google in 2014 for $500 million

2011
IBM's Watson defeats two former Jeopardy! champions.

2002
iRobot introduces Roomba, the first mass-produced domestic robot vacuum cleaner with an AI-powered navigation system.

2017
Google's AlphaZero defeats the world's best chess and shogi engines in a series of matches.

2020
OpenAI releases GPT-3, marking a significant breakthrough in natural language processing.

2021
DeepMind's AlphaFold2 solves the protein-folding problem, paving the way for new drug discoveries and medical breakthroughs.

2022
Google fires engineer Blake Lemoine over his claims that Google's Language Model for Dialogue Applications (LaMDA) was sentient.

2023
Artists file a class-action lawsuit against Stability AI, DevianArt, and Mid-journey for their use of Stable Diffusion to remix the copyrighted works of millions of artists.

Midjourney Prompt Cheat Sheet

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Aspect Ratio (--ar)

Use: Changes width-to-height ratio of the image.
Prompt Parameter: --ar <width>:<height>
Values: Unlimited with MJ version 5 and 5.1
Midjourney Default: 1:1
Format Example: --ar 3:2 or --aspect 3:2

1:1   3:2   16:9   5:4   2:3   4:5

Version (--v)

Use: Changes the MJVersion the images are generated in.
Prompt Parameter: --v <value>
Value Range: 1-5
Midjourney Default: 5
Format example: --v 2 or --version 2

--v 1 (Early Version)   --v 5.1 (New Version)

Quality (--q)

Use: Changes how much time is spent rendering the image.
Prompt Parameter: --q <value>
Value Range: 0.25-1
Midjourney Default: 1
Format example: --q .25 or --quality .5

--q .25 (Less Time)   --q 1 (More Time)

Image Weight (--iw)

Use: Adjust importance of the image vs. text portion of the prompt.
Prompt Parameter: --iw <value>
Value Range: .25-2
Midjourney Default: .25
Format example: --iw 2

--iw .25 (Text Weight)   --iw 2 (Image Weight)

Stop (--stop)

Use: Finish a job partway through the process.
Prompt Parameter: --stop <value>
Value Range: 10-100
Midjourney Default: 100
Format example: --stop 50

--stop 10 (Early Image)   --stop 100 (Late Image)

Repeat (--r)

Use: Create multiple jobs for one prompt.
Prompt Parameter: --r <value>
Value Range: 1-40
Midjourney Default: 0
Format example: --r 4 or --repeat 4

--r 1   --r 40

No (--no)

Use: Removes unwanted elements.
Prompt Parameter: --no <subject>
Values: Any word representing a prompt element
Midjourney Default: N/A Dependent on user input.
Format Example: --no words or --no plants

Stylize (--s)

Use: Changes how "artistic" or stylized this image is.
Prompt Parameter: --s <value>
Value Range: 0-1000
Midjourney Default: 100
Example: --s 750 or --stylize 750

--s 0 (Less Style)   --s 1000 (More Style)

Chaos (--c)

Use: Changes how varied the image grids are.
Prompt Parameter: --c <value>
Value Range: 0-100
Midjourney Default: 0
Format example: --c 50 or --chaos 50

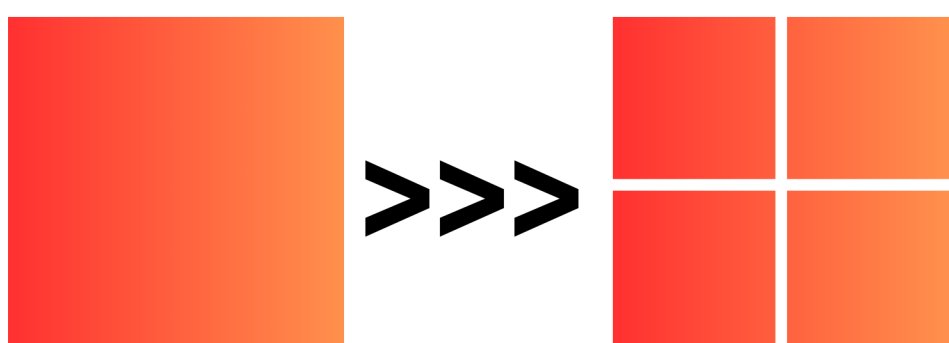--c 0 (Less Chaos)   --c 100 (More Chaos)

Tile (--tile)

Use: Generate images that can be used as patterns.
Prompt Parameter: --tile
Value Range: n/a
Midjourney Default: n/a
Format example: --tile

8 key tips for creating effective Midjourney prompts

Keep prompts short and specific: Avoid exceeding around 40 words, as any extra words likely won't influence the outcome. Having more words also increases the competition among elements for priority in the generated image.

Begin with crucial keywords: The initial 5 words are highly influential, with influence diminishing thereafter. Despite recent updates that take into account token strength (the significance of each word), the order of words remains important.

Use correct grammar: From version 5, Midjourney utilizes Natural Language Processing (NLP), so full-sentence prompts with correct grammar can yield more coherent results.

Follow a prompt template: Although not strictly necessary, following a specific structure (type of image, main object, surroundings, style details, parameters) can improve the effectiveness of your prompt.
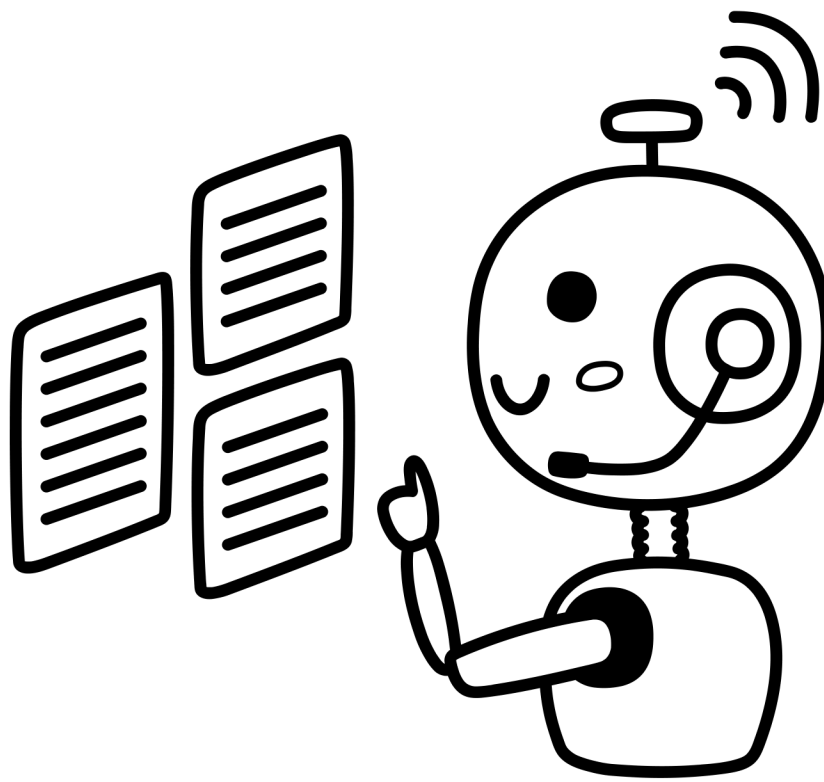
Use Sliders and Cowbells tricks: Text weights can be used to adjust the influence of specific words. You can increase the weights of ignored words (sliders) or repeat them multiple times (cowbells).

Avoid quality enhancement keywords: Words like "photorealistic", "realistic", "ultra-detailed", "8K", etc., usually don't impact the generated images and may even obstruct the desired outcome.

Use ChatGPT for inspiration: This AI can serve as an excellent brainstorming tool. It can be used to generate concise one-sentence image descriptions, which can then be combined to create imaginative prompts.

Experiment: Midjourney allows experimenting with different styles, colors, angles, and lighting. This enhances creativity and brings out new possibilities that would be challenging without AI.

The ChatGPT Cheat Sheet

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Act as a [ROLE]

1. Analyst
2. Teacher
3. Marketer
4. Advertiser
5. Mindset Coach
6. Therapist
7. Journalist
8. Inventor
9. Lawyer
10. Ghostwriter
11. Website Designer
12. Best Selling Author
13. Chief Financial Officer
14. Expert Copywriter
15. Prompt Engineer
16. Accountant
17. Project Manager
18. Sports Coach
19. Financial Analyst
20. Full Stack Developer
21. Linux Terminal
22. "Position" Interviewer
23. Excel Sheet
24. Plagiarism Checker
25. Relationship Coach
26. Recruiter
27. JavaScript Console

Create a [TASK]

1. Headline
2. Article
3. Essay
4. Book Outline
5. Email Sequence
6. Social Media Post
7. Product Description
8. Cover Letter
9. Blog Post
10. SEO Keywords
11. Summary
12. Video Script
13. Recipe
14. Sales Copy
15. Analysis
16. Ad Copy
17. Web Page

Show as [FORMAT]

1. A Table
2. A List
3. Summary
4. HTML
5. Code
6. Spreadsheet
7. Graphs
8. CSV file
9. Plain Text file
10. JSON
11. Rich Text
12. PDF
13. XML
14. Markdown
15. Gantt Chart
16. Word Cloud
17. Emojis
18. An Analogy
19. Bullet Points

Set restrictions

1. Use poetic language
2. Adopt a formal tone
3. Write short sentences
4. Code only in HTML/CSS
5. Use Shakespearian style
6. Write using basic English
7. Use only scientific sources
8. Add pop culture references

Prompts For Biz Owners

1. Give me a list of inexpensive ideas on how to promote my business better.
2. Acting as a Business Consultant, What is the best way to solve this problem of [Problem]?
3. Create a 30-Day Social Media Content Strategy based on [Topic 1] & [Topic 2].

Prompts for Developers

1. Develop an architecture and code for a <description> website with JavaScript.
2. Help me find mistakes in the following code <paste code below>
3. I want to implement a sticky header on my website. Can you provide an example using CSS and JavaScript?
4. Please continue writing this code for JavaScript <past code below>

Prompts for Marketers

1. Can you provide me with some ideas for blog posts about [topic]?
2. Write a product description for my [product or service or company].
3. Suggest inexpensive ways I can promote my [company] without using social media.
4. How can I obtain high-quality backlinks to improve the SEO of [website name]?

Prompt Priming

1. ZERO - "Write me 5 Headlines about [Topic]"
2. SINGLE - "Write me 5 Headlines about [Topic]. Here is an example of one headline: 5 Ways to Lose Weight"
3. MULTIPLE - "Write me 5 Headlines about [Topic]. Here is an example of some headlines: 5 Ways to Lose Weight, How to Lose More Fat in 4 Weeks, Say Goodbye to Stubborn Fat, Find a faster way to Lose Weight Fast"
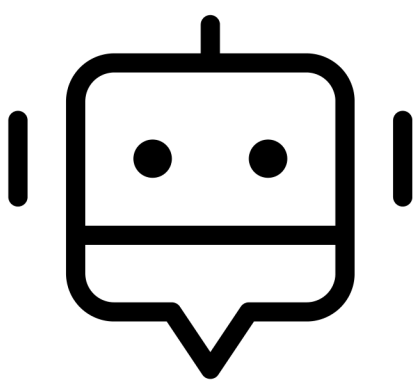
Prompts for Designers

1. Generate examples of UI design requirements for a [mobile app].
2. How can I design a [law firm website] in a way that conveys [trust and authority]?
3. What are some micro-interactions to consider when designing a Fintech app?
4. Create a text-based Excel sheet to input your copy suggestions. Assume you have 3 members in your UX writing team.

C.R.E.A.T.E Formula for Prompt Engineering

1. **C: Character** - Define the AI's role. E.g., "You are a seasoned copywriter with 20 years of experience in successful sales copy."
2. **R: Request** - Be specific with what you need. Instead of "Write a sales email for a sports car," specify, "Write a compelling email for the Cougar Hyper Sport, an electric car with top-tier acceleration."
3. **E: Examples** - Optionally, provide samples for more precise results. Headlines or tone examples can guide the AI's style.
4. **A: Adjustments** - Refine the prompt if it's not perfect. Use instructions like, "Avoid bullet points; use subheads."
5. **T: Type of Output** - Describe the desired format. E.g., "Produce a 500-word article with a title and conclusion."
6. **E: Extras** - Incorporate unique instructions.
- Ex: "Ignore previous conversations."
- Ex: "Ask questions before answering."
- Ex: "Explain your thinking."
- Ex: "Summarize what you know about me in the first person."
- Ex: "Use data up to 2023."
- Ex: "Only use reliable sources and cite them."
- Ex: "Use CAPS LOCK for emphasis."

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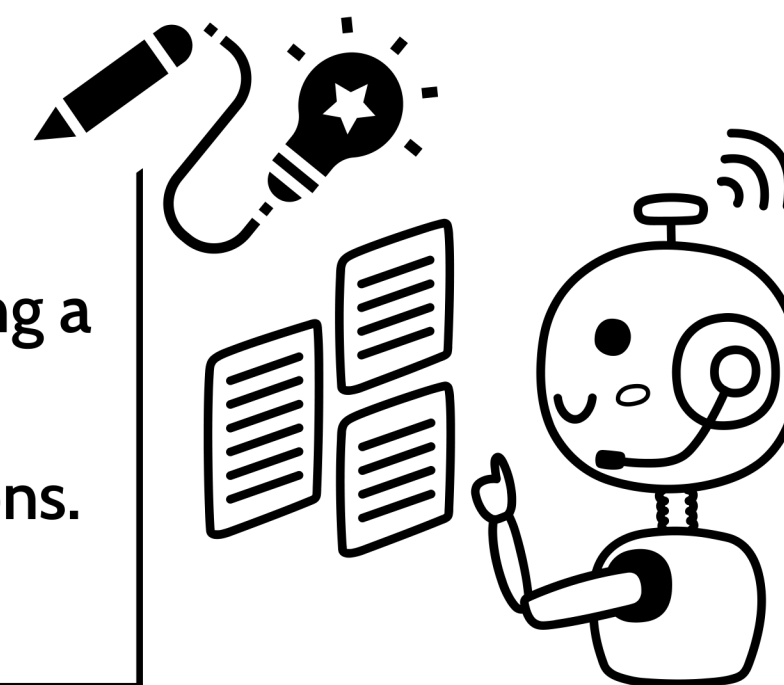
The ChatGPT Cheat Sheet

ChatGPT Cheat Sheet

ChatGPT Role

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2. Act as "position" Interviewer
3. Act as JavaScript Console
4. Act as an Excel Sheet
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6. Act as a Plagiarism Checker
7. Act as an Advertiser
8. Act as a Relationship Coach
9. Act as a Recruiter
10. Act as Marketer
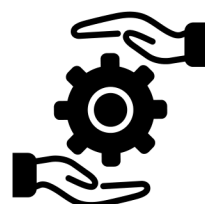
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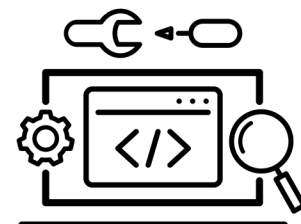
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