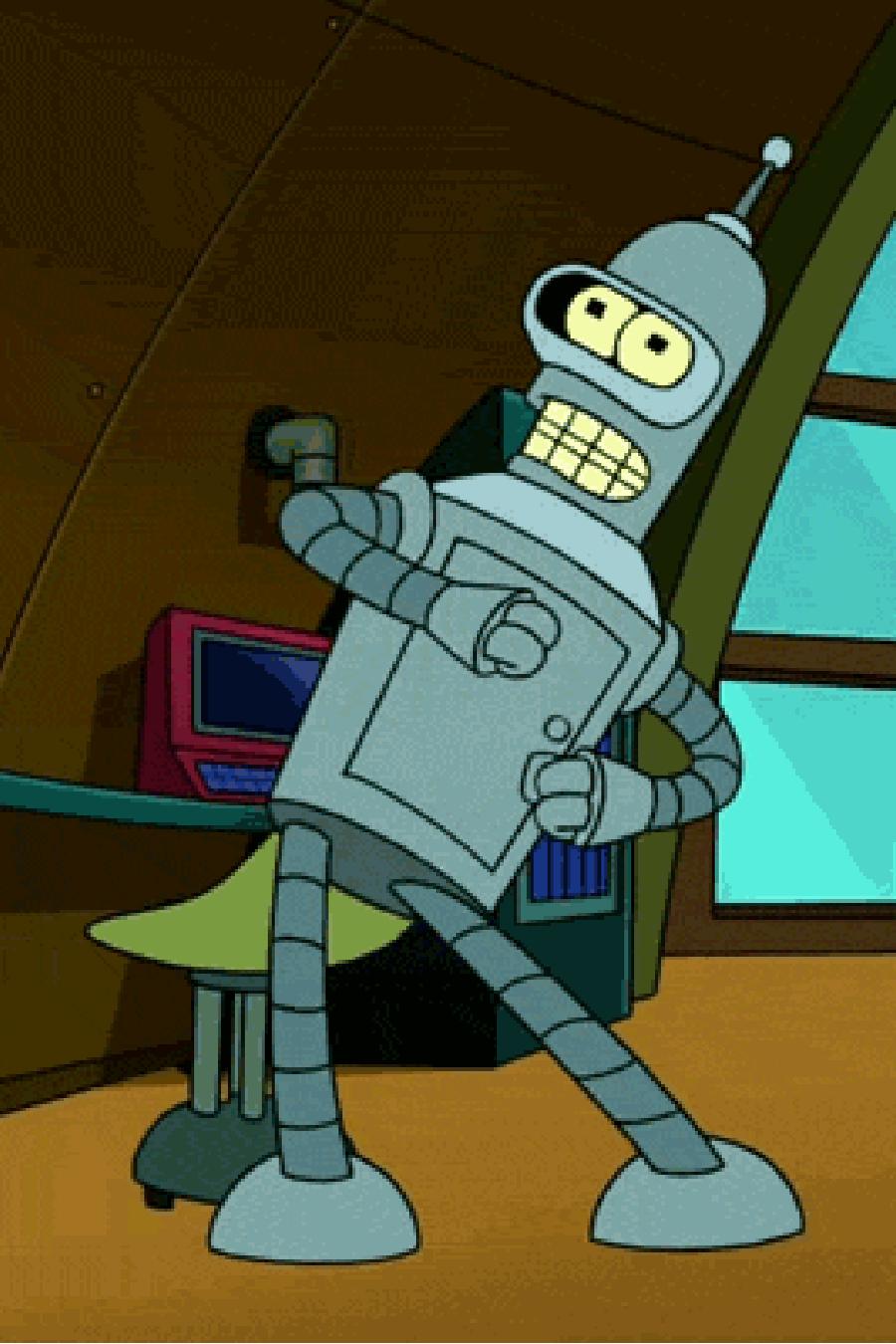




Hi! 🙌

My name is Pini Hodadad. I am a full-stack developer/ tech lead/ tech manager in the Makes Innovation Department at Apple Seeds.

No. I am not a robot....yet



The developers Toolkit: Integrating Text, Audio and Images with OpenAI

What we'll cover



GPT Models + Parameters

A walkthrough of the gpt models together with the OpenAi API parameters



How to use OpenAI API

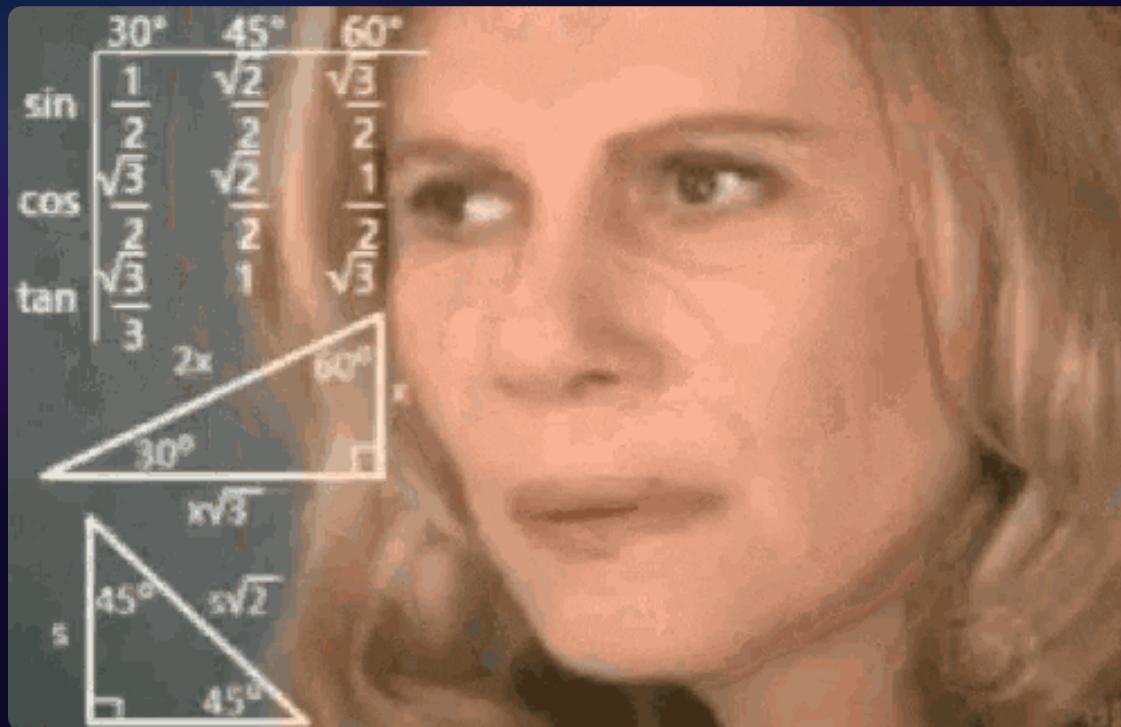
How to use the OpenAI API in Node.js



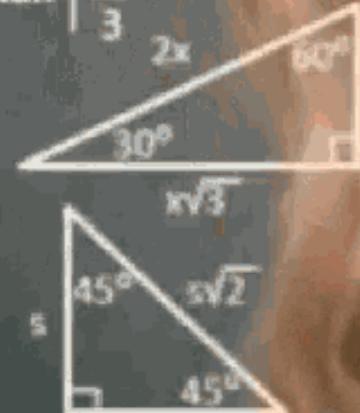
GPT Model Comparison

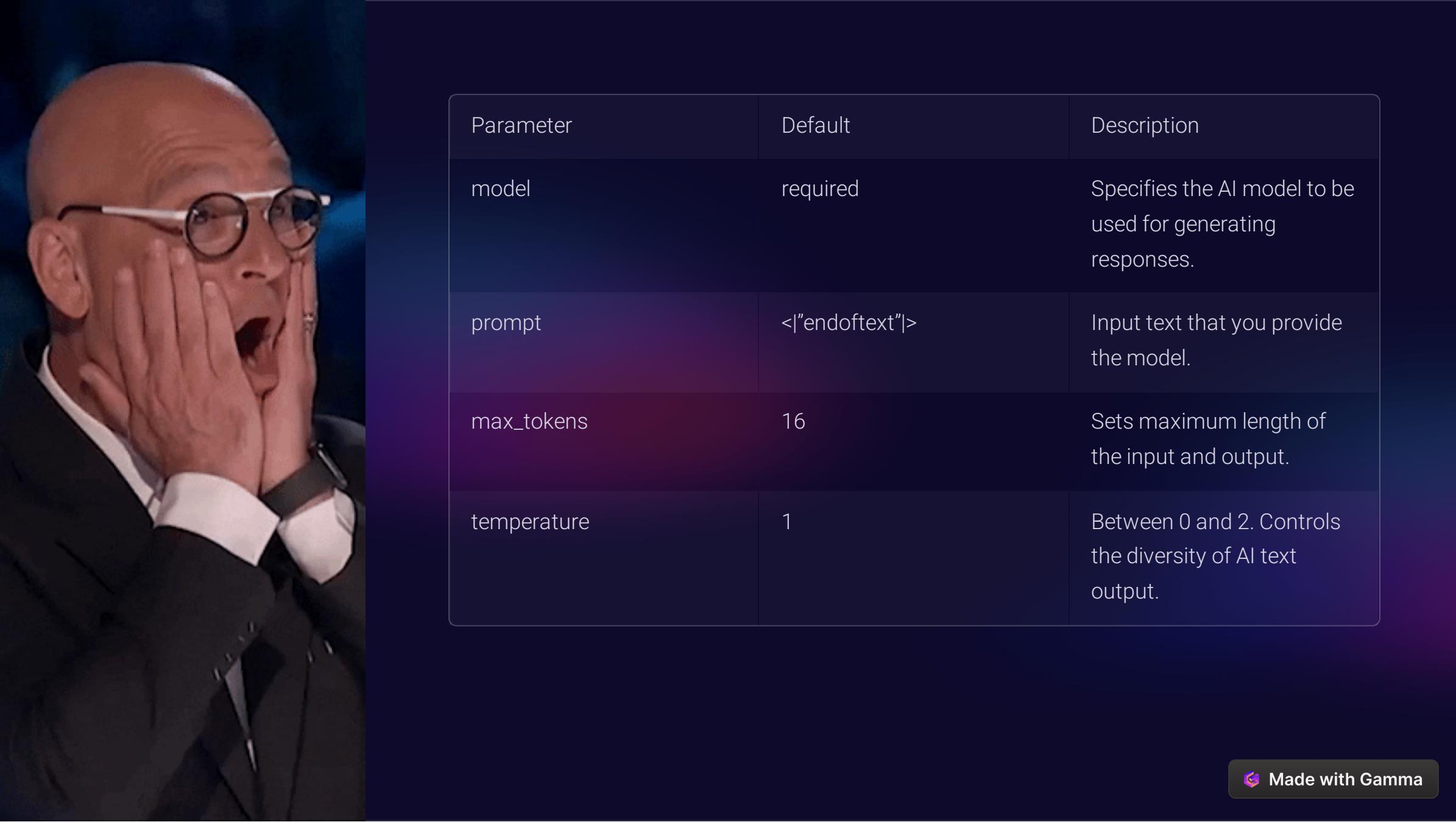
Model	Size	Memory Capacity	Accuracy	Price
GPT-3	20B	1,500 words	<60%	\$
GPT-3.5	175B	12,000 words	<60%	\$\$
GPT-4	1.70T	25,000-96,000 words	>80%	\$\$\$

OpenAI API Parameters

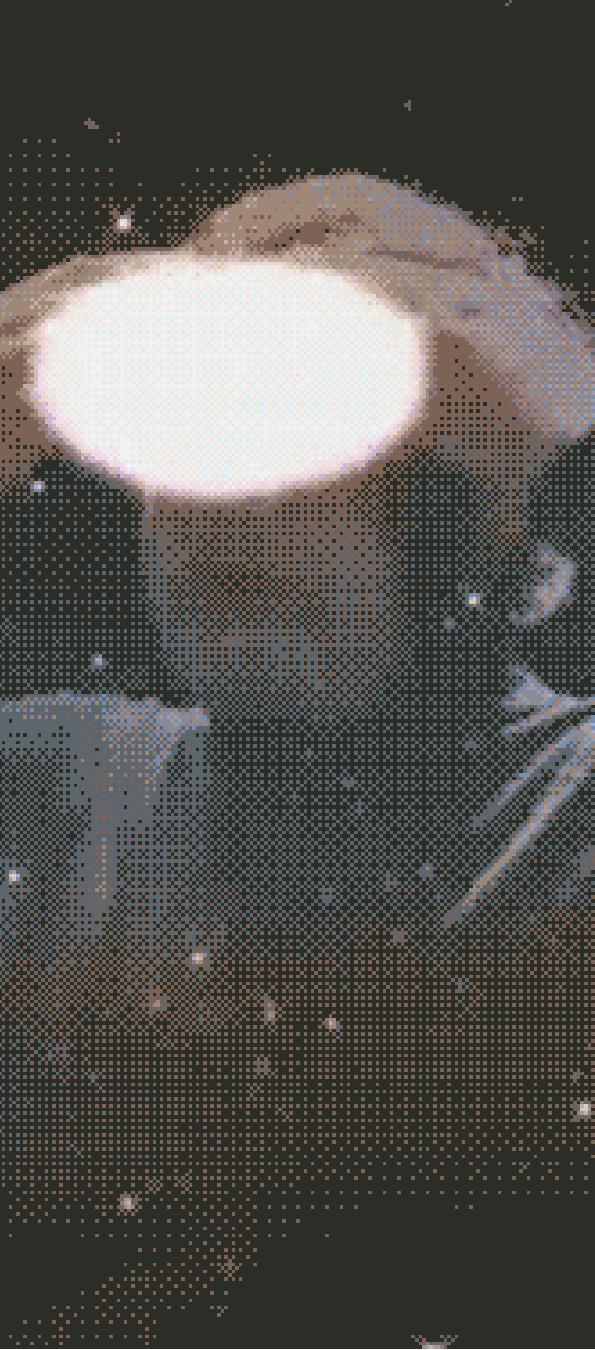


	30°	45°	60°
sin	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$
cos	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$
tan	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$





Parameter	Default	Description
model	required	Specifies the AI model to be used for generating responses.
prompt	< "endoftext" >	Input text that you provide the model.
max_tokens	16	Sets maximum length of the input and output.
temperature	1	Between 0 and 2. Controls the diversity of AI text output.

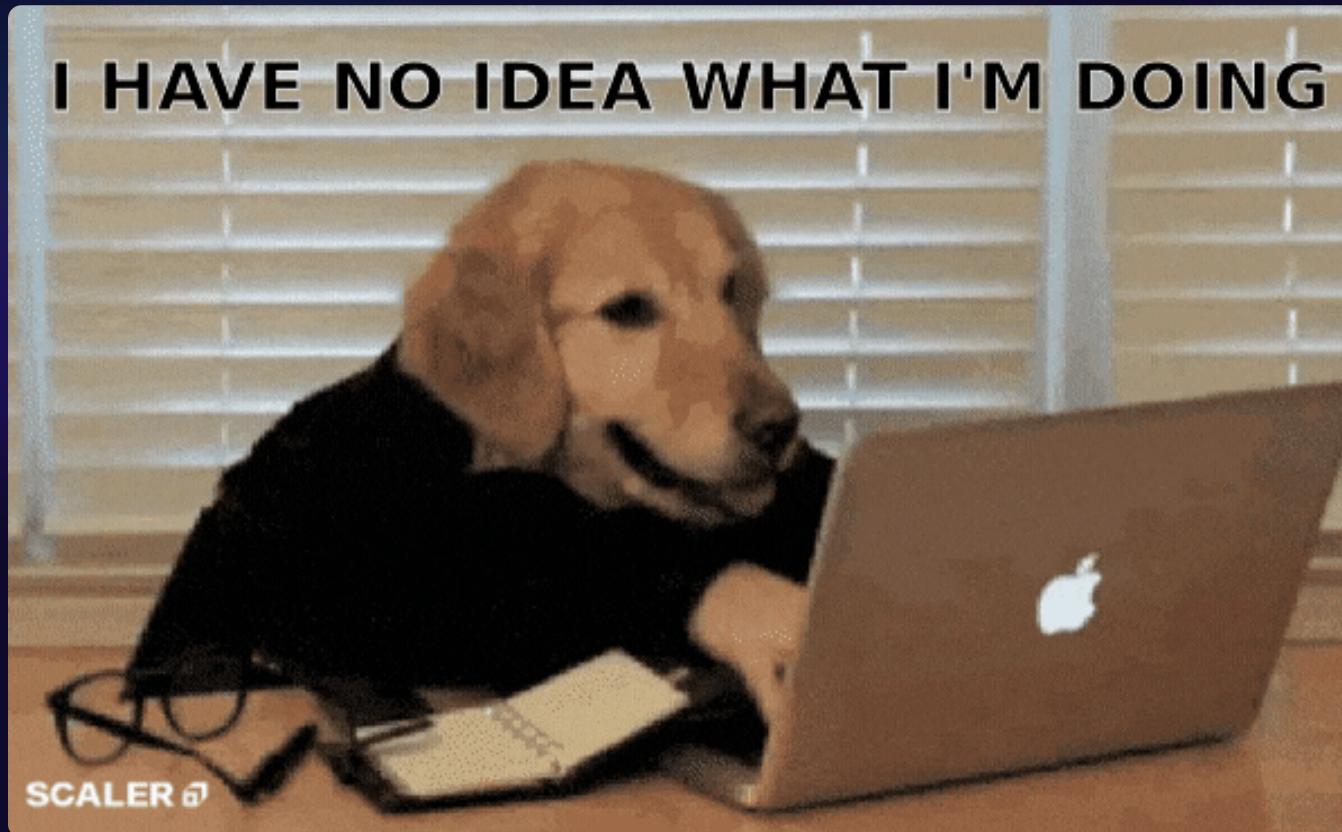


Parameter	Default	Description
top_p	1	Between 0 and 1. Determines the range of tokens that AI can choose.
n	1	Sets the number of responses the AI should generate for a given prompt.
stream	false	Can access the data as soon as it is available. Useful for real-time updates.



Parameter	Default	Description
stop	null	Specifies a sequence (or sequences) at which the model should stop generating further tokens.
frequency_penalty	0	Between -2.0 and 2.0. Penalizes frequent token repetition.
presence_penalty	0	Between -2.0 and 2.0. Penalizes any token repetition.
seed	null	Allows you to create deterministic responses by specifying a seed value, ensuring that repeated requests with the same seed and parameters yield the same result

How to Use ChatGPT as a Developer



Code explanations



ChatGPT offers automated, plain-English code explanations, aiding in debugging, code review, and learning new programming concepts.

Code Refactoring



Refactoring can be automated, reducing coding time and human error rates.

Debugging and Error Detection

After finding a bug in Amazon, Microsoft or Google



SCALER

ChatGPT can spot mistakes in code and detect errors faster.

Testing and Automation



ChatGPT can automate testing, making it easier to detect bugs and errors in your code.

Learning New Programming Languages and Concepts



ChatGPT can assist in learning new concepts and coding languages through simulations and exercises.

Brainstorming



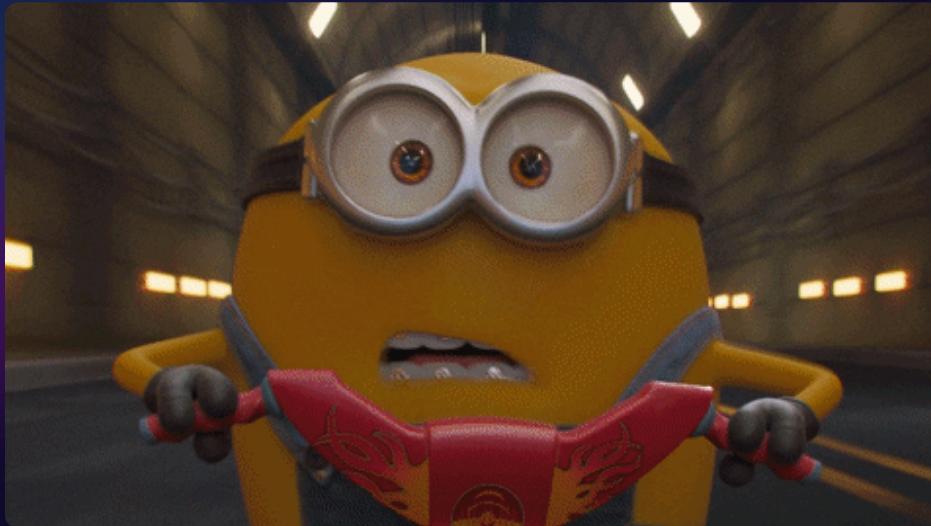
ChatGPT can generate new ideas, approaches, and solutions based on existing ones.

Preparing for Technical Interviews



ChatGPT can help prepare you for technical interviews by providing a platform to practice coding questions, review programming concepts, and receive instant feedback on your solutions

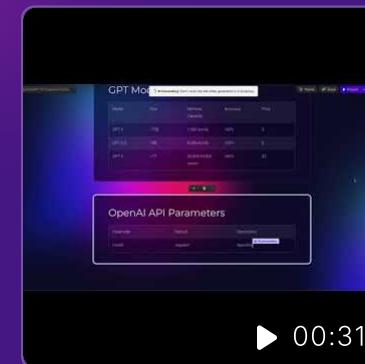
Generate Fast POC Applications



ChatGPT can create quick POC applications and MVPs for testing and experimentation.



How AI helped me
with the UX of this
presentation





ANY QUESTIONS?

FXNOW



peacock