

# Popular Commercial LLM API Platforms

## Instructor

Dipanjan Sarkar

Head of Community & Principal AI Scientist at Analytics Vidhya

Google Developer Expert - ML & Cloud Champion Innovator

Published Author



# Commercial LLM APIs

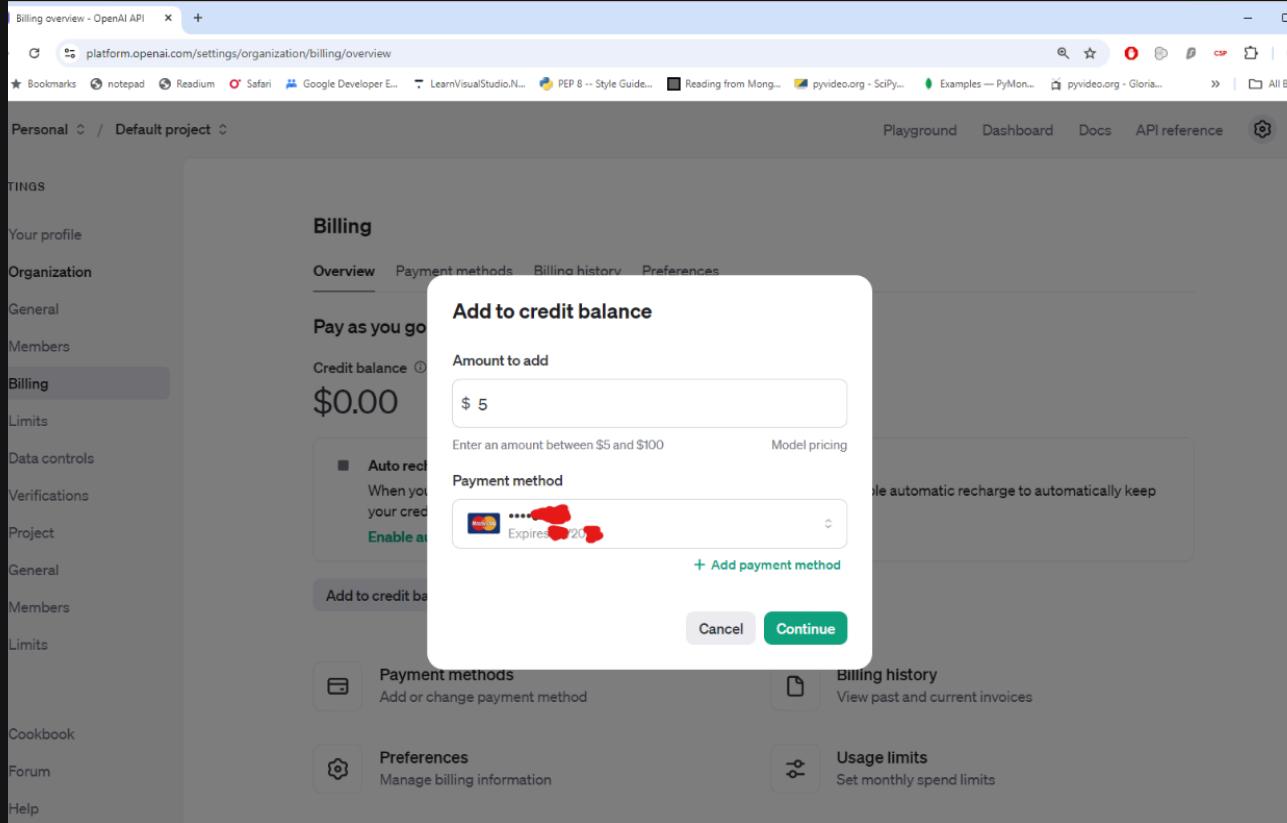


OpenAI GPT API



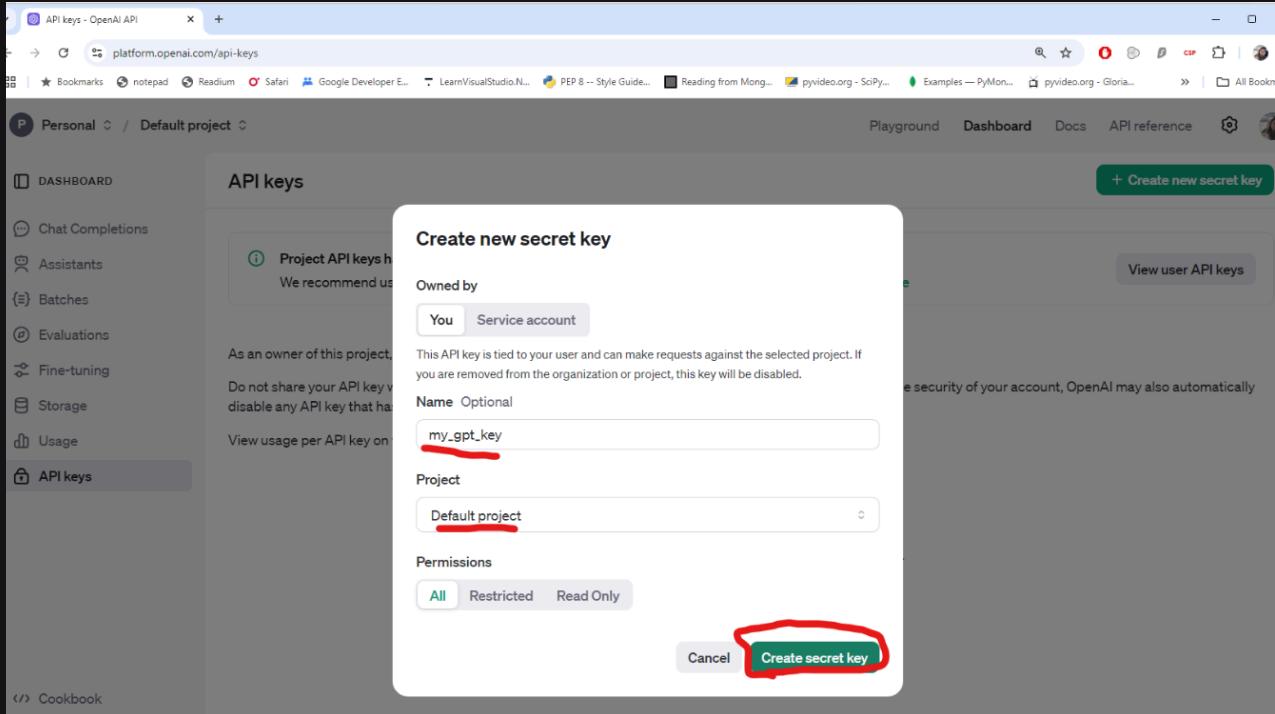
Google Gemini API

# Setup your OpenAI Account and Billing



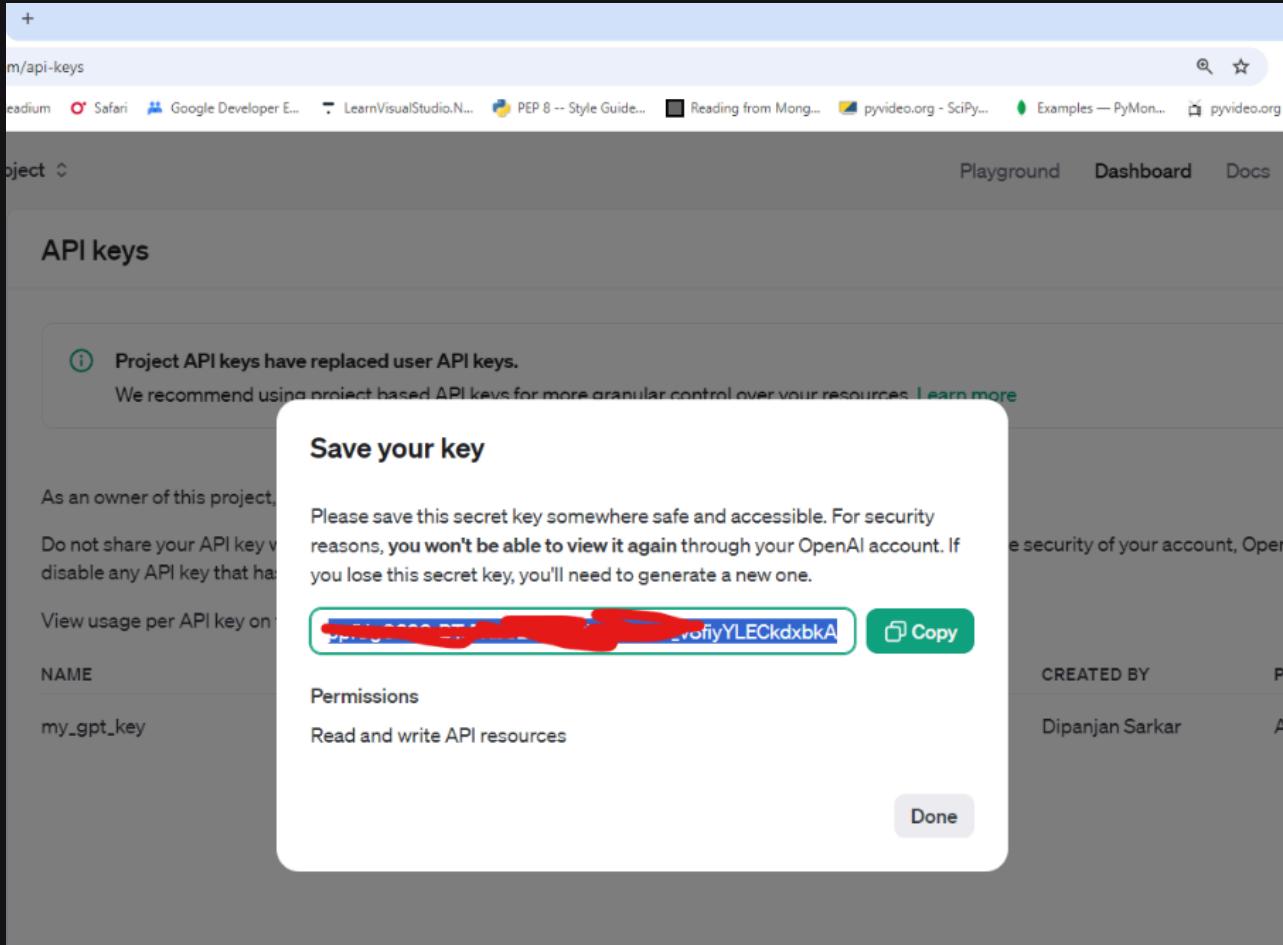
- Create an account on <https://platform.openai.com/>
- Go to Settings -> Billing as shown on the left
- Add in minimum of 5\$ credit balance

# Setup your OpenAI API Key



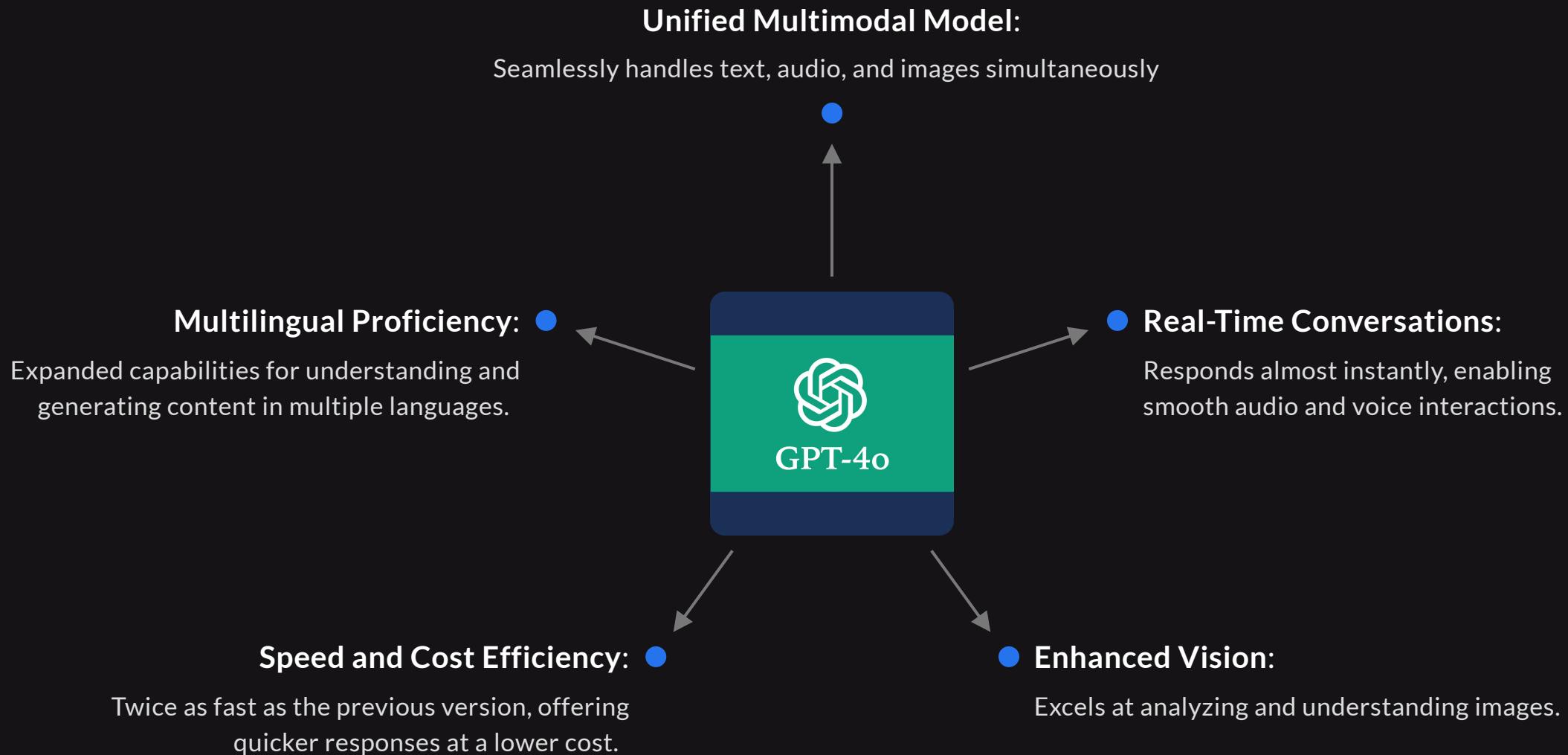
- Go to Dashboard -> API keys as shown on the left
- Create your secret key

# Save your OpenAI API Key



- Save your secret key in a secure location as it will be just shown once
- If you forget your key just generate a new one
- Do NOT paste your key publicly on the internet

# Key Highlights of GPT-4o



# Key Highlights of GPT-4o mini

## Compact Yet Powerful:

A Small Language Model (SLM) designed to compete with Llama 3 and Mistral.

## Accessible and Affordable:

Integrated into OpenAI's API services at competitive pricing, making advanced AI more accessible.



## Cost and Performance:

Offers low-cost, low-latency responses with a 128K token context window for near-real-time interactions.

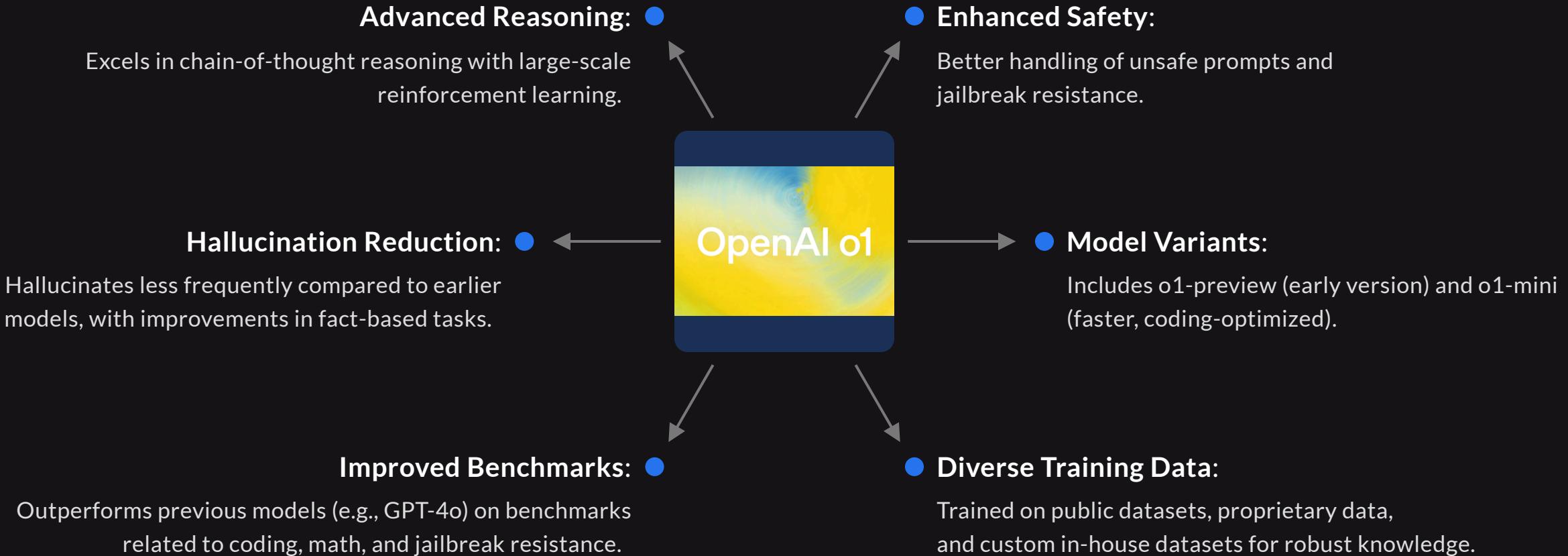
## Benchmark Excellence:

Outperforms in reasoning, math, and coding benchmarks compared to predecessors and competitors.

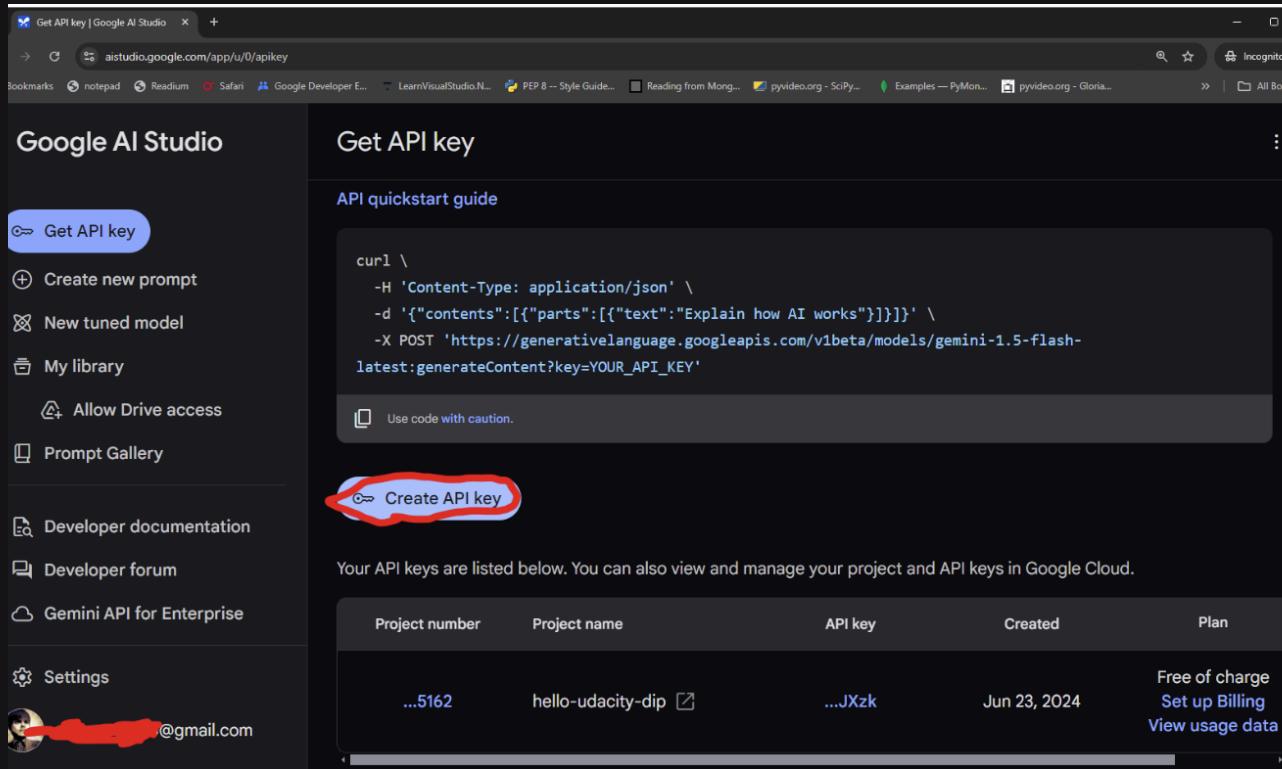
## Multimodal Capabilities:

Supports text and image inputs, with future plans to include audio and video.

# Key Highlights of OpenAI o1



# Get your Google Gemini API Key

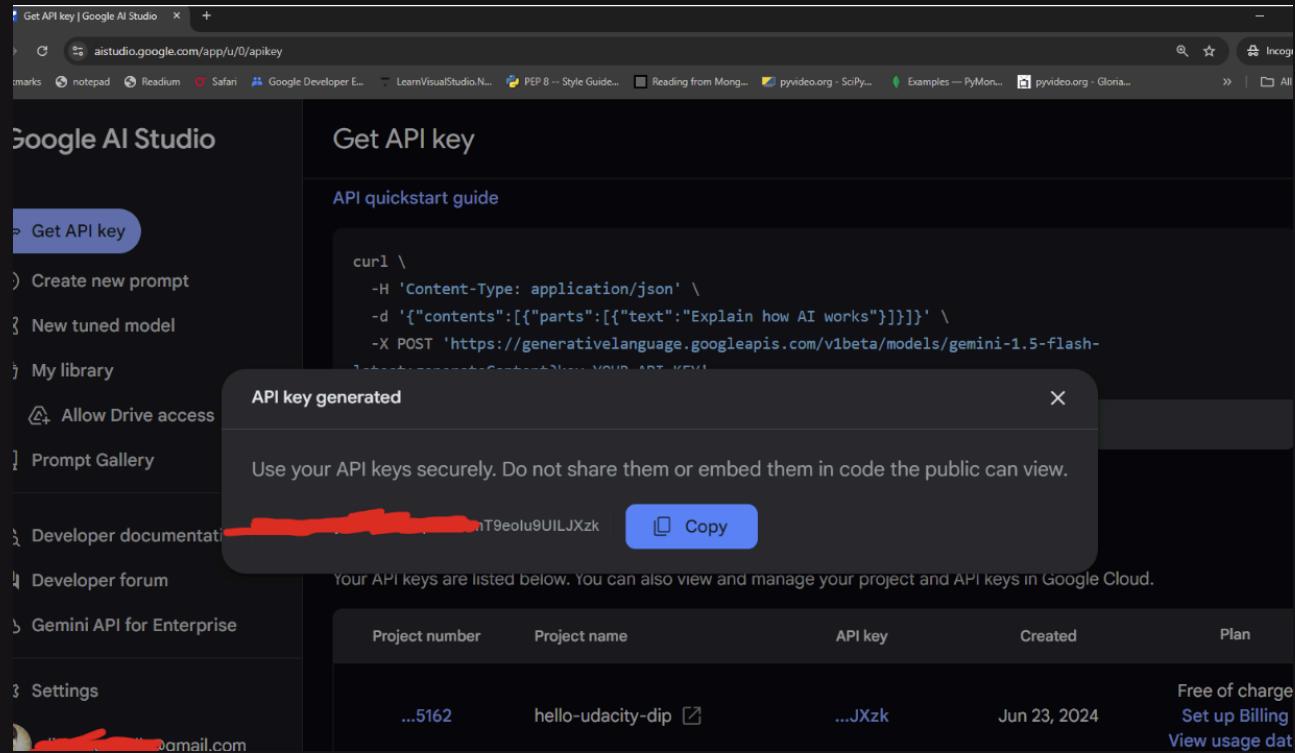


The screenshot shows the 'Get API key' page in the Google AI Studio. On the left sidebar, the 'Get API key' button is highlighted with a blue background. The main content area displays an 'API quickstart guide' with a curl command. Below it is a 'Create API key' button, which is also highlighted with a red oval. A message below the button says 'Your API keys are listed below. You can also view and manage your project and API keys in Google Cloud.' A table lists one API key: Project number: ...5162, Project name: hello-udacity-dip, API key: ...JXzk, Created: Jun 23, 2024. The 'Plan' column shows 'Free of charge'.

Project number	Project name	API key	Created	Plan
...5162	hello-udacity-dip	...JXzk	Jun 23, 2024	Free of charge Set up Billing View usage data

- Create an account on <https://aistudio.google.com/app/u/0/apikey>
- Click on Create API Key as shown
- So far most models are free of charge, might need billing in the future

# Save your Google Gemini API Key

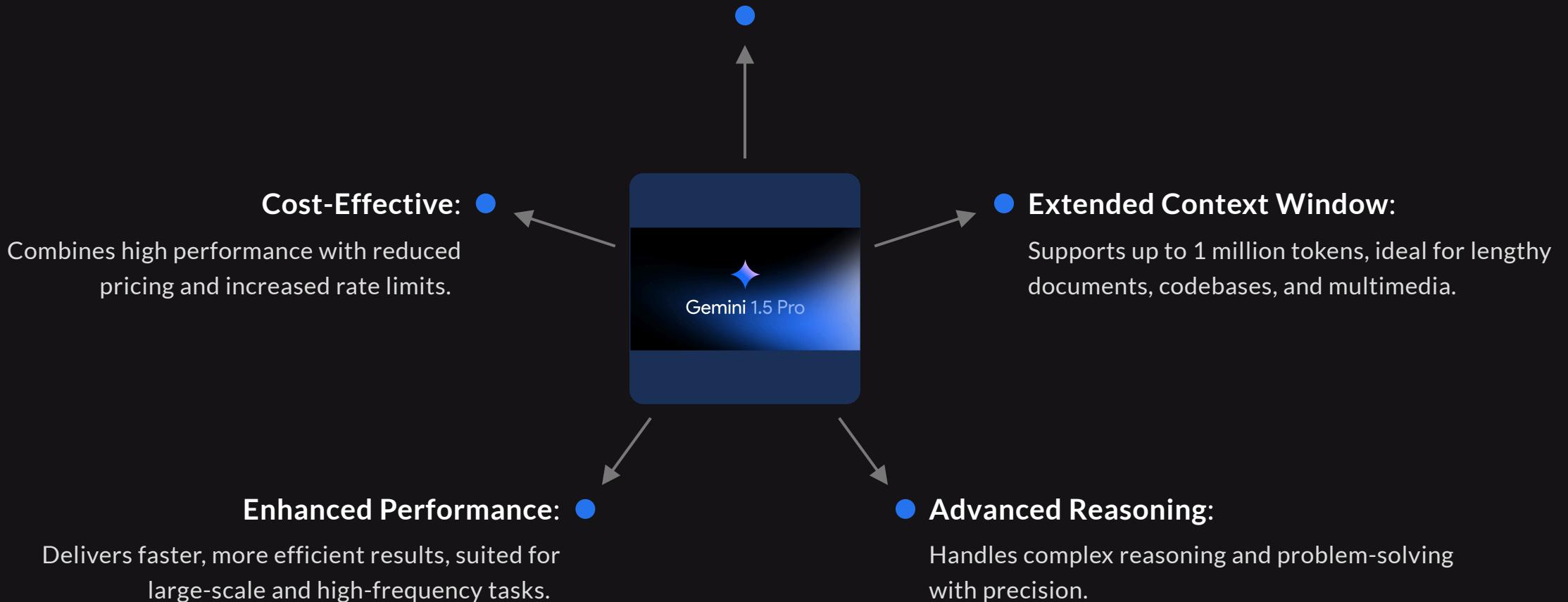


- Save your secret key in a secure location
- Can create more keys in the future if needed
- Do NOT paste your key publicly on the internet

# Key Highlights of Gemini 1.5 Pro

## Multimodal Capabilities:

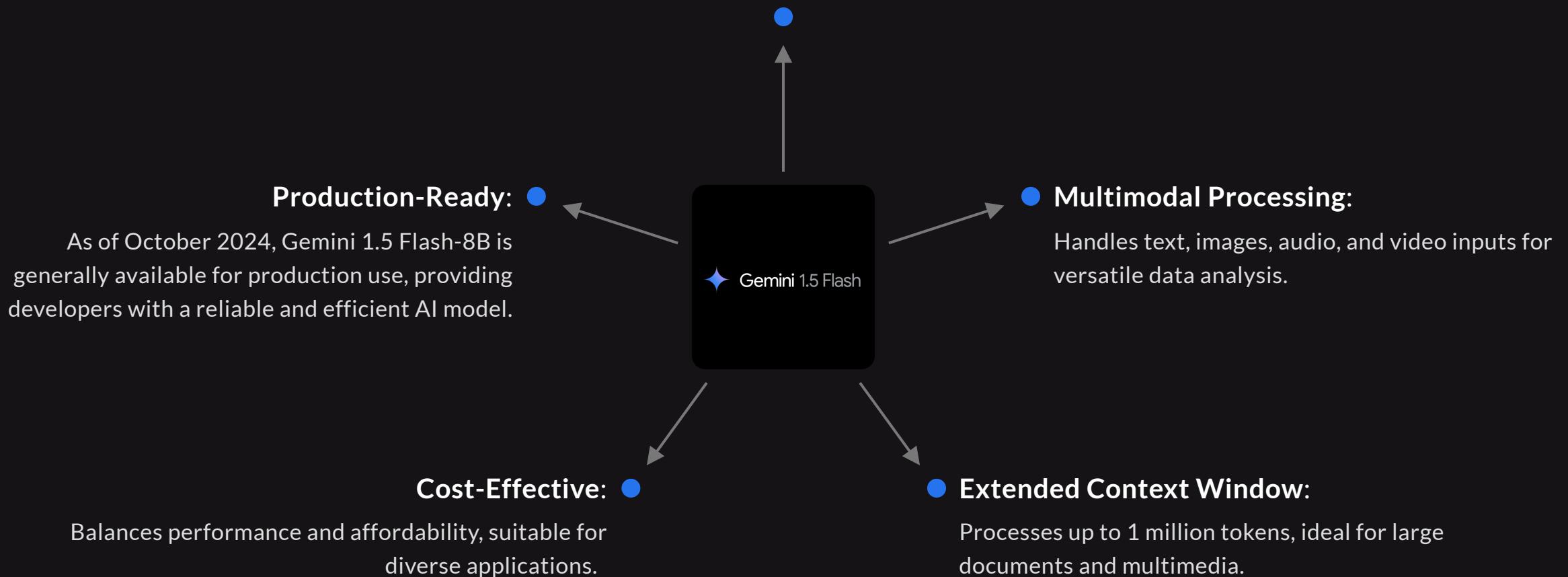
Processes text, images, audio, and video for comprehensive data analysis.



# Key Highlights of Gemini 1.5 Flash

## Optimized for Speed:

Smaller and faster than 1.5 Pro, tailored for high-volume, high-frequency tasks.



# Thank You

---