

Gemini 1.5 → Gemini - ChatBot
Llama & Huggingface
→ Langchain

```
import google.generativeai as genai  
  
f = open("path - APIkeypath")  
key = f.read()  
  
genai.configure(api_key = key)
```


Huggingface - organization/company
↳ opensource

Open AI → (GPT-40 - multimodal) ← Model
Google - generative ai - Gemini-1.5 - multimodal

Huggingface - transformer - Model - opensource
↳ ~ 8 lakh
↳ dataset = ~ 2 lakh

Dalle 3
↓
Microsoft
↓
copilot

Open AI - Chat GPT - Application | GPT - LLM

Google AI - Gemini - Application
LLM

Huggingface - Chat application

Microsoft - copilot - phi - opensource

DALL-E 2 - Open AI - 2015 - Tesla (Elon Musk)

2017 → Open AI - Sam Altman - Microsoft → GPT 3
\$1B

Atriyo Daripa raised hand View x

Microsoft — {
 GitHub
 VScode
 PowerBI
 Copilot