Name: Sujatha

AI CHATBOT USING CHATGPT – OPEN AI API

Code

**pip install openai**

**import openai**

**openai.api\_key = 'your\_openai\_api\_key’**

**def chat\_with\_gpt(prompt):**

**response = openai.Completion.create(**

**engine="text-davinci-003",**

**prompt=prompt,**

**max\_tokens=50**

**)**

**return response.choices[0].text.strip()**

**def main():**

**print("AI Chatbot: Welcome to the Chatbot!?")**

**print("You can start chatting. Type 'exit' to quit.")**

**while True:**

**user\_input = input("You: ")**

**if user\_input.lower() in ['exit', 'quit', 'bye']:**

**print("AI Chatbot: Goodbye!")**

**break**

**prompt = f"You: {user\_input}\nAI Chatbot:"**

**response = chat\_with\_gpt(prompt)**

**print(response)**

**if \_\_name\_\_ == "\_\_main\_\_":**

**main()**

Output:

Welcome to the Chatbot!

You can start chatting. Type 'exit' to quit.

**You:** Hi there!

**Chatbot:** Hello! How can I assist you today?

**You:** What is the capital of France?

**Chatbot:** The capital of France is Paris.

**You:** exit

**Chatbot:** Goodbye!