```python
# 🚀 Revolutionary AI Chatbot in Colab using Gradio

# STEP 1: Install dependencies
try:
    import gradio as gr
    import openai
except ImportError:
    import os
    os.system("pip install gradio openai --quiet")
    import gradio as gr
    import openai

# STEP 2: Set your OpenAI API key
openai.api_key = "YOUR_OPENAI_API_KEY"  # 🔐 Replace with your key

# STEP 3: Memory for chat history
chat_history = []

# STEP 4: Define function to call OpenAI GPT
def chat_with_gpt(message):
    chat_history.append({"role": "user", "content": message})
    response = openai.ChatCompletion.create(
        model="gpt-4",  # or "gpt-3.5-turbo"
        messages=[{"role": "system", "content": "You are an intelligent AI assistant."}] + chat_history
    )
    reply = response['choices'][0]['message']['content']
    chat_history.append({"role": "assistant", "content": reply})
    return reply

# STEP 5: Build the Gradio Interface
with gr.Blocks() as demo:
    gr.Markdown("<h1 style='text-align: center;'>🤖 Revolutionary AI Chatbot</h1>")

    chatbot = gr.Chatbot()
    msg = gr.Textbox(placeholder="Type your message here...", label="Your Message")
    clear = gr.Button("Clear")

    def respond(user_message, chat_history_ui):
        response = chat_with_gpt(user_message)
        chat_history_ui.append((user_message, response))
        return "", chat_history_ui

    def clear_history():
        global chat_history
        chat_history = []
        return []

    msg.submit(respond, [msg, chatbot], [msg, chatbot])
    clear.click(clear_history, [], [chatbot])

# STEP 6: Launch the app
demo.launch(share=True)
```

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<ipython-input-5-57d35d89791f>:34: UserWarning: You have not specified a value for the `type` parameter. Defaulting to the 'tuples'
  chatbot = gr.Chatbot()
Colab notebook detected. To show errors in colab notebook, set debug=True in launch()
* Running on public URL: https://da1374dd1728a08203.gradio.live

This share link expires in 1 week. For free permanent hosting and GPU upgrades, run `gradio deploy` from the terminal in the working
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🤖 Revolutionary AI Chatbot

💬 Chatbot

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