Project 7: Career Advisor Chatbot

Description:

This chatbot acts like a friendly career coach. It offers personalized guidance based on your interests, suggests career paths, reviews resumes, and even gives job-hunting tips. Great for students, professionals in transition, or anyone exploring new opportunities.

`career_advisor_bot.py`

```python
import openai
import os
import gradio as gr

# Set your OpenAI API key
openai.api_key = os.getenv("OPENAI_API_KEY")

# Function to simulate a conversation with a career advisor
def career_advisor(user_input):
    # Define system-level prompt to shape the assistant's personality and expe
    messages = [
        {
            "role": "system",
            "content": (
                "You are a professional career advisor. Help users explore car
                "prepare for interviews, and set goals. Ask thoughtful follow-
                "Offer practical and motivational advice tailored to their bac
            )
        },
        {
            "role": "user",
            "content": user_input  # The user's career-related question or con
        }
    ]

    try:
        # Send the message to OpenAI's chat model
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo",  # Model used for generating responses
```

```python
            messages=messages
        )

        # Extract and return the reply
        return response['choices'][0]['message']['content'].strip()

    except Exception as e:
        # Display error message if something goes wrong
        return f"Error: {str(e)}"


# Gradio UI setup
iface = gr.Interface(
    fn=career_advisor,                       # Function that generates the ass
    inputs="text",                           # Text input field for user
    outputs="text",                          # Text output area for chatbot re
    title="🎯 Career Advisor Chatbot",        # App title
    description=(
        "Ask for help with your career direction, resume tips, or interview ac
        "Examples: 'What jobs can I explore with a psychology degree?', 'Revie
        "or 'How do I prepare for a product manager interview?'"
    )
)


# Launch the Gradio web app
iface.launch()
```