Project 95: Persona-Powered Prompt App

Description:

This app lets you assign your assistant a unique persona—like "wise mentor," "sarcastic teenager," or "strict professor." It tailors the assistant's tone, language, and attitude accordingly, making it great for role-based interactions or playful experiences.

persona_powered_prompt.py

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

# Load OpenAI API Key
openai.api_key = os.getenv("OPENAI_API_KEY")

# Function to generate persona-based response
def persona_chat(persona, message):
    try:
        # System prompt to define persona
        system_prompt = f"You are an AI assistant with the persona of a {perso

        # Prepare messages for chat
        messages = [
            {"role": "system", "content": system_prompt},
            {"role": "user", "content": message}
        ]

        # Call OpenAI API
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo",
            messages=messages
        )

        return response["choices"][0]["message"]["content"].strip()

    except Exception as e:
        return f"Error: {str(e)}"
```

```python
# Gradio UI
iface = gr.Interface(
    fn=persona_chat,
    inputs=[
        gr.Textbox(label="Persona (e.g. wise mentor, pirate captain, sarcastic
        gr.Textbox(label="Your Message")
    ],
    outputs="text",
    title="🎭 Persona-Powered Prompt App",
    description="Give your AI a character-talk to it like a pirate, teacher, t
)

# Launch the persona bot
iface.launch()
```