

Project 26: Fashion Stylist Assistant

Description:

This AI stylist helps users pick outfits, coordinate colors, or dress for specific occasions. Whether you're planning a first date look, need a business casual vibe, or want to elevate your streetwear, this fashion-savvy bot has your back (and your closet).

`fashion_stylist_assistant.py`

```
import openai
import os
import gradio as gr

# Load OpenAI API key from environment variable
openai.api_key = os.getenv("OPENAI_API_KEY")

# Function to offer styling suggestions
def style_advisor(user_input):
    # Set the assistant to behave like a fashion consultant
    messages = [
        {
            "role": "system",
            "content": (
                "You are a personal fashion stylist. Help users choose outfits"
                "color preferences, or existing wardrobe pieces. Be creative,"
            )
        },
        {
            "role": "user",
            "content": f"I need outfit help: {user_input}"
        }
    ]

    try:
        # Make the OpenAI API call
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo", # GPT-4 optional for richer results
            messages=messages
```

```

    )

    # Return fashion advice
    return response['choices'][0]['message']['content'].strip()

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

# Gradio interface for the fashion stylist bot
iface = gr.Interface(
    fn=style_advisor,                # Function to generate ou
    inputs=gr.Textbox(lines=2, placeholder="e.g. I have a black blazer and jea
    outputs="text",                  # Output fashion tips
    title="👗 AI Fashion Stylist Assistant",    # App title
    description=(
        "Need outfit ideas or fashion tips? Tell me the occasion, season, or w
        "Try: 'What should I wear to a summer wedding?' or 'Style my white sne
    )
)

# Launch the stylist chatbot
iface.launch()

```