

Project 45: AI Stand-Up Comedy Writer

Description:

This hilarious tool writes stand-up comedy routines based on your chosen topic and audience style. Whether you're prepping for open mic night, writing a skit, or just love comedy—it delivers punchlines, setups, and classic timing with AI wit.

standup_comedy_writer.py

```
import openai
import os
import gradio as gr

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

# Function to generate a comedy bit
def write_comedy_routine(topic, audience_style):
    # Set the AI to behave like a stand-up comedian
    messages = [
        {
            "role": "system",
            "content": (
                f"You are a professional stand-up comedian. Write a short come"
                f"on the topic '{topic}' for a {audience_style} audience. Be c
            )
        },
        {
            "role": "user",
            "content": f"Write a routine about: {topic}"
        }
    ]

    try:
        # Get jokes from OpenAI
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo", # Upgrade to GPT-4 for richer humor
            messages=messages
```

```

    )

    # Return the stand-up bit
    return response['choices'][0]['message']['content'].strip()

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

# Gradio interface for stand-up writing
iface = gr.Interface(
    fn=write_comedy_routine,
    inputs=[
        gr.Textbox(label="Comedy Topic (e.g. online dating, work from home, AI",
        gr.Radio(["general audience", "tech crowd", "college students", "corpc
    ],
    outputs="text",
    title="🎤 AI Stand-Up Comedy Writer",
    description="Enter a topic and choose your crowd, and I'll write a funny s
)

# Launch the comedy writer
iface.launch()

```