Project 93: Style Transfer Prompt (e.g., rewrite as Shakespeare)

Description:

This app rewrites your input text in a completely different style—like Shakespearean drama, pirate slang, Gen Z speak, or even Yoda talk. It's a fun way to experiment with tone, voice, and creative prompt engineering.

`style_transfer_prompt.py`

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

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

# Function to perform style transfer
def style_transfer(text, style):
    try:
        # Prompt engineering to enforce style
        prompt = (
            f"Rewrite the following text in the style of {style}:\n\n"
            f"Original:\n{text}\n\n"
            f"{style} version:"
        )

        # Get styled response
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo",  # GPT-4 also works beautifully
            messages=[{"role": "user", "content": prompt}]
        )

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

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

```python
# Gradio interface
iface = gr.Interface(
    fn=style_transfer,
    inputs=[
        gr.Textbox(label="Text to Rewrite"),
        gr.Dropdown(
            ["Shakespeare", "Pirate", "Yoda", "Gen Z", "Old English", "Corpora
            label="Select Style"
        )
    ],
    outputs="text",
    title="🎭 Style Transfer Prompt",
    description="Rewrite any text in a creative or humorous style. Try Shakesp
)

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