

Project 3: Therapy Bot with Empathetic Tone 🧠💬❤️

Description:

This project builds a supportive, non-judgmental chatbot designed to simulate a virtual therapy session. The bot listens, responds with empathy, and encourages self-reflection. It doesn't provide clinical advice but acts as a kind listener using an empathetic prompt style. Perfect for practicing tone, prompt design, and emotional intelligence in LLMs.

Implementation

We'll use **OpenAI + Gradio** to create a warm, comforting conversation flow.

therapy_bot.py

```
import openai
import os
import gradio as gr

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

def therapy_response(user_input):
    messages = [
        {"role": "system", "content":
            "You are a compassionate and empathetic virtual therapist. "
            "You listen carefully, validate the user's emotions, and offer gentle "
            "Do not diagnose or give medical advice. Use a calm, warm tone."},
        {"role": "user", "content": user_input}
    ]

    try:
        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)}"

iface = gr.Interface(
    fn=therapy_response,
    inputs="text",
    outputs="text",
    title="🧠 EmpathyBot – Virtual Therapy Chat",
    description="Talk about how you're feeling. This bot responds with warmth"
)

iface.launch()
```

How to Run:

1. Save the code as `therapy_bot.py`
2. Install packages:

```
pip install openai gradio
```

3. Set your OpenAI API key:

```
export OPENAI_API_KEY=your_key_here
```

4. Launch the app:

```
python therapy_bot.py
```

It opens a web app where users can share thoughts, and the bot responds with empathy and support.