# app.py (Flask application)

from flask import Flask, render\_template, request, jsonify

# Import your LLM integration and NLP libraries here

app = Flask(\_\_name\_\_)

@app.route('/')

def home():

return render\_template('index.html')

@app.route('/chat', methods=['POST'])

def chat():

user\_message = request.json.get('message')

# Process user\_message with LLM to get a response

ai\_response = "This is a sample AI response." # Replace with actual LLM output

# Perform sentiment analysis if applicable

return jsonify({'response': ai\_response})

@app.route('/dashboard')

def dashboard():

# Retrieve and process data for dashboard visualizations

# Generate charts using Matplotlib/Plotly

return render\_template('dashboard.html', chart\_data="...") # Pass chart data to template

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)