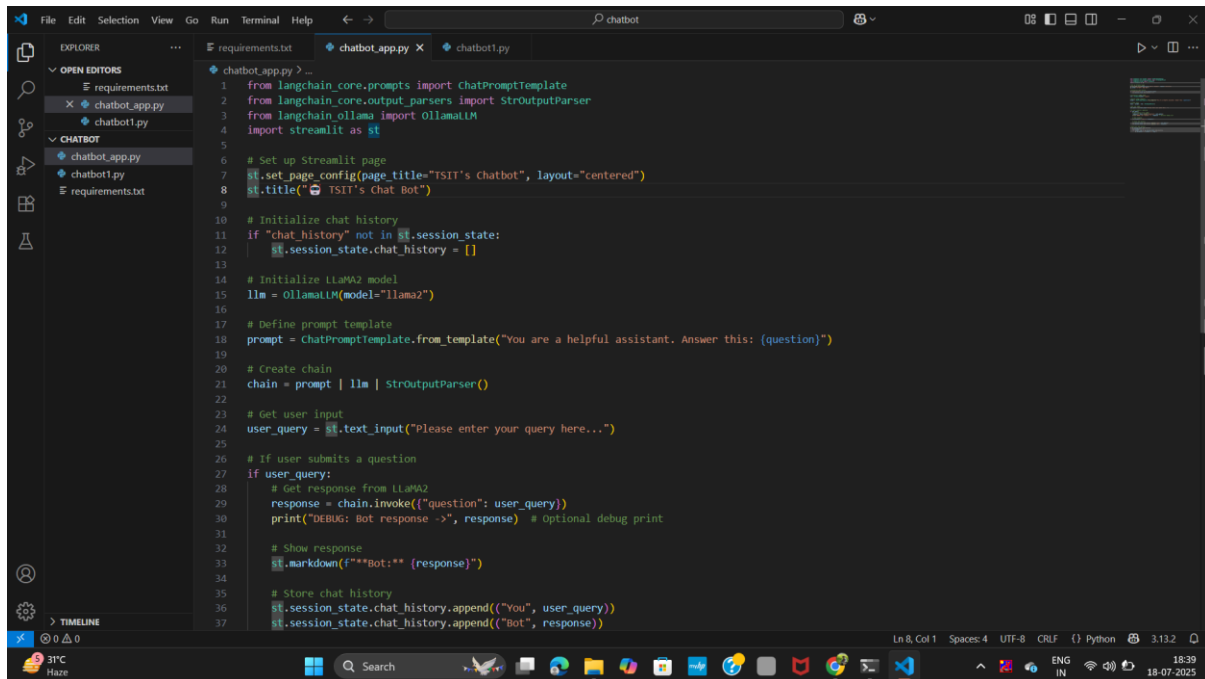


Vinoth

day17

18/07/2025

1. created a chatbot using python inbuilt libraries.



```
1 from langchain_core.prompts import ChatPromptTemplate
2 from langchain_core.output_parsers import StrOutputParser
3 from langchain_ollama import OllamaLLM
4 import streamlit as st
5
6 # Set up Streamlit page
7 st.set_page_config(page_title="TSIT's Chatbot", layout="centered")
8 st.title("TSIT's Chat Bot")
9
10 # Initialize chat history
11 if "chat_history" not in st.session_state:
12     st.session_state.chat_history = []
13
14 # Initialize LLaMA2 model
15 llm = OllamaLLM(model="llama2")
16
17 # Define prompt template
18 prompt = ChatPromptTemplate.from_template("You are a helpful assistant. Answer this: {question}")
19
20 # Create chain
21 chain = prompt | llm | StrOutputParser()
22
23 # Get user input
24 user_query = st.text_input("Please enter your query here...")
25
26 # If user submits a question
27 if user_query:
28     # Get response from LLaMA2
29     response = chain.invoke({"question": user_query})
30     print("DEBUG: Bot response ->", response) # Optional debug print
31
32     # Show response
33     st.markdown(f"Bot: {response}")
34
35     # Store chat history
36     st.session_state.chat_history.append(("You", user_query))
37     st.session_state.chat_history.append(("Bot", response))
```

Output :

