**STOCK MARKET AI CHATBOT**

MINOR PROJECT REPORT

By

ANJANY KUMAR JAISWAL(RA2311026010006)

**SACHIN PRASANTH (RA2311026010018)**

Under the guidance of   
**DR. VIJAYALAKSHMI KALIYAPERUM***In partial fulfilment for the Course*

of

**21CSS101J– PROGRAMMING FOR PROBLEM SOLVING**

in COMPUTER SCIENCE AND ENGINEERING WITH ARTIFICAL INTELLIGENCE AND MACHINE LEARNING



**FACULTY OF ENGINEERING AND TECHNOLOGY**

**SCHOOL OF COMPUTING**

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**KATTANKULATHUR**

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**(Under Section 3 of UGC Act, 1956)**

**BONAFIDE CERTIFICATE**

Certified that this minor project report for the course **21CSS101J** **PROGRAMMING FOR PROBLEM SOLVING** entitled in "**STOCK MARKET AI CHATBOT**" is the bonafide work of **Anjany Kumar Jaiswal(RA2311026010006)** and **Sachin Prasanth(RA2311026010018)** who carried out the work under my supervision.

# SIGNATURE

Dr. Vijayalakshmi Kaliyaperum

# <Designation>

# Computational Intelligence

SRM Institute of Science and Technology

Kattankulathur

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1. **INTRODUCTION**

1. **MOTIVATION**

The main reason behind choosing this topic is because in the vast field of stock market, many people are actually confused of how to start investing the money and where to invest. Hence, we are building an AI Stock Market Chatbot which would help people to solve various problems regarding stock market. This would help people by providing the solutions to various challenges that they face because investing in stock markets are subjected to high risks.

1. **OBJECTIVE**

Real-time Updates: An AI chatbot can provide real-time updates on stock prices, market trends, and relevant news, allowing users to stay informed and make timely decisions.

Personalized Insights: By analysing user preferences, investment history, and risk tolerance, the chatbot can offer personalized investment advice and insights tailored to individual needs.

24/7 Availability: Unlike human advisors, AI chatbots can operate 24/7, providing users with continuous access to information and support, especially during different time zones or market hours.

Compliance and Security: The chatbot can be designed to ensure compliance with financial regulations and implement robust security measures to protect user data and financial information.

1. PROBLEM STATEMENT:  
   Develop an AI-powered stock chatbot that can provide users with real-time stock information and personalized investment recommendations. The chatbot should be able to:

Access and process real-time stock data from various sources

Analyze stock market trends and identify potential investment opportunities

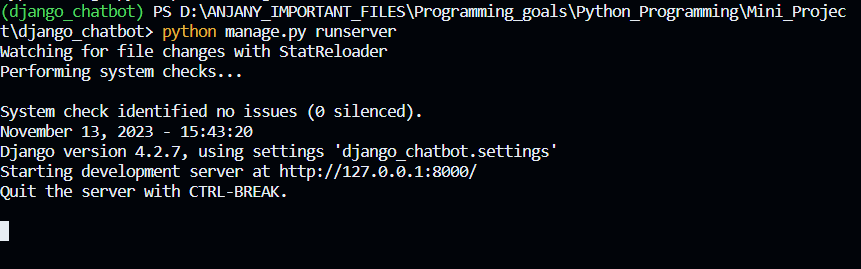
Provide users with personalized investment recommendations based on their risk tolerance and investment goals

Answer users' questions about specific stocks or the stock market in general

Educate users about stock market investing and help them develop sound investment strategies

1. **RESULTS AND DISCUSSION**
   1. **Connection Check**

A public PC pinging the server via public IP

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An employee PC pinging the server via private IP

* 1. **HTTPS Check**

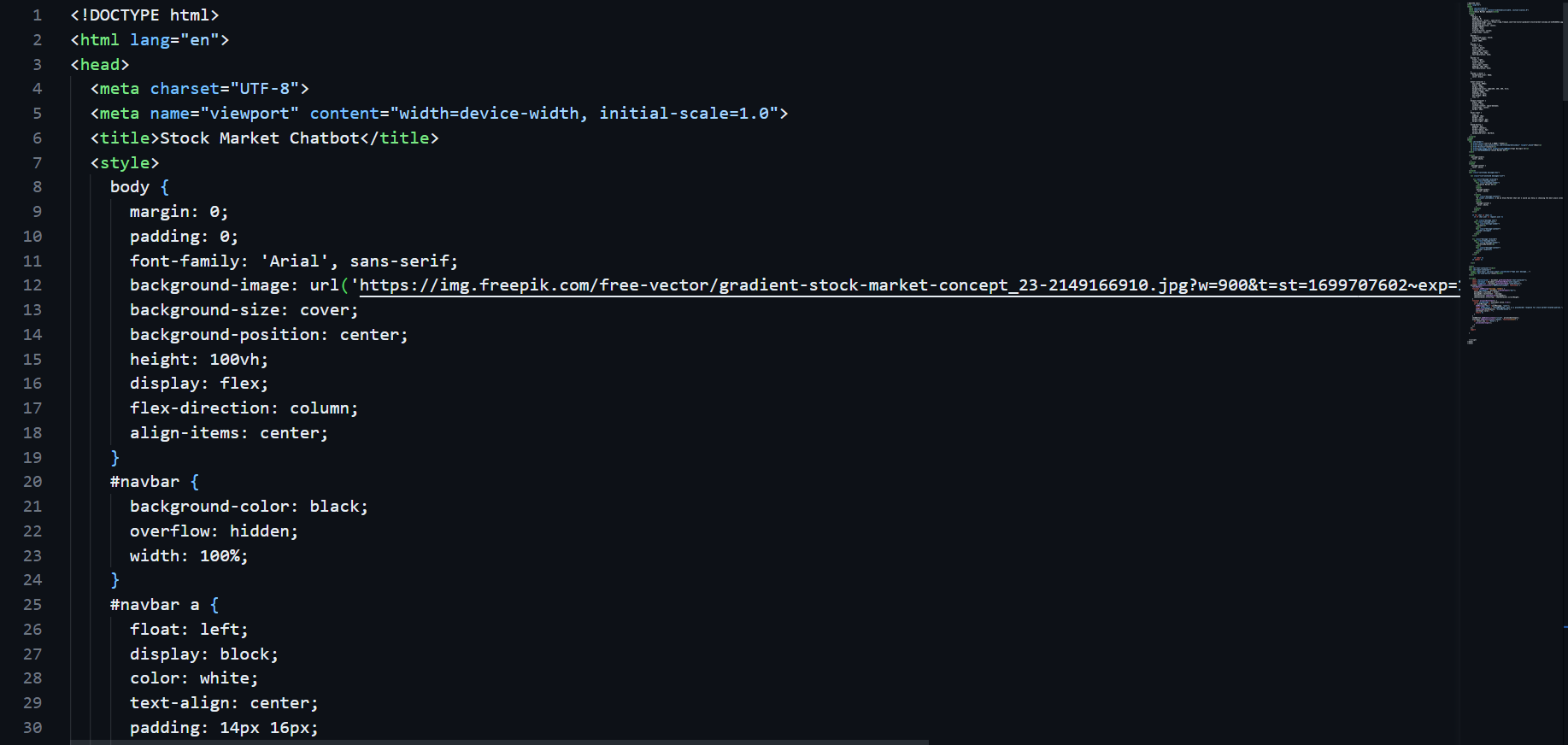
The server access was checked with HTTPS by using a browser:

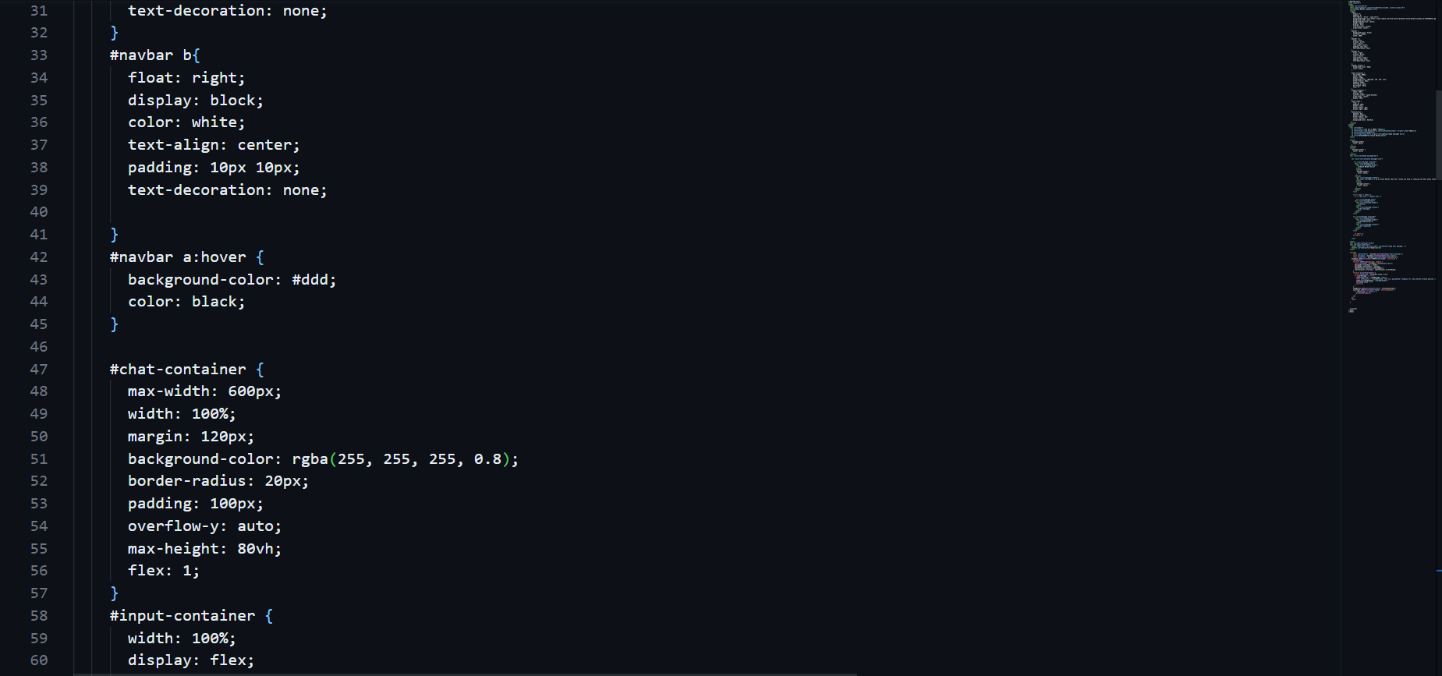


* 1. The Front-End Code :

File name: chatbot.html

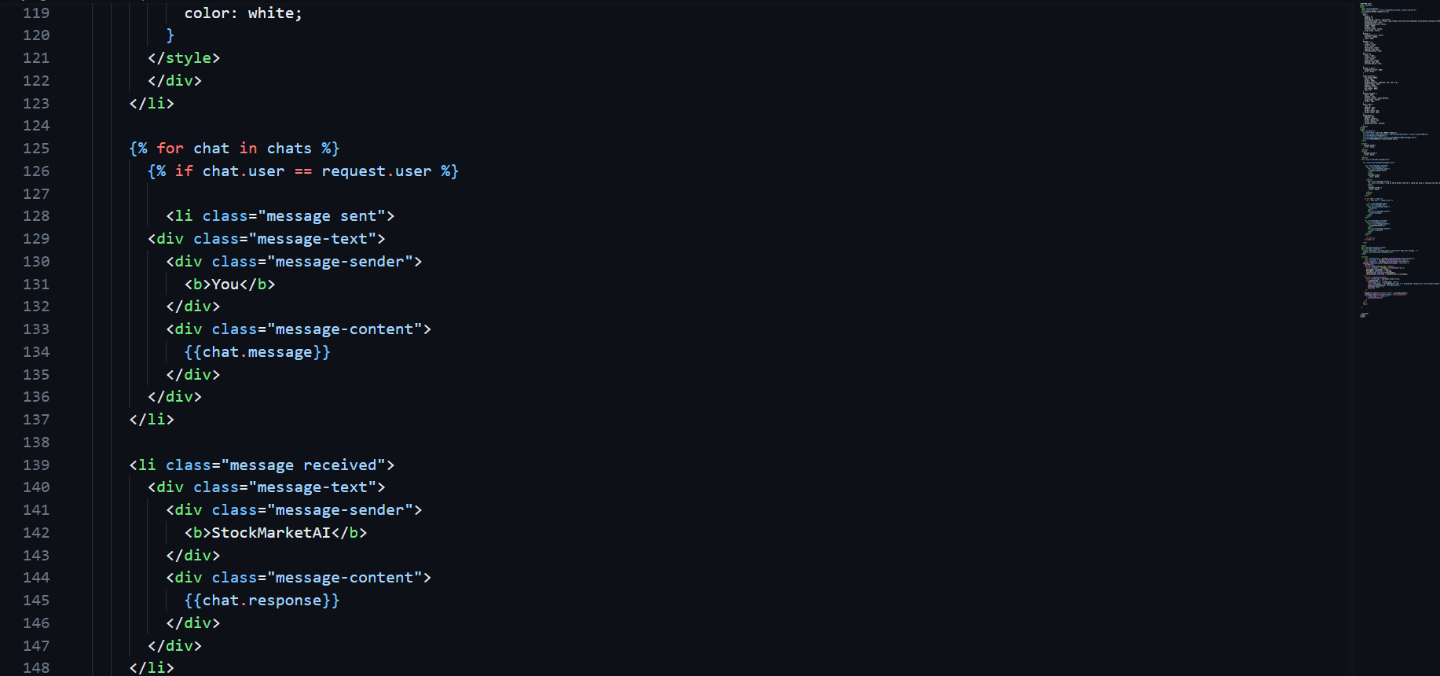
Language used(Html , css , Java-Script)

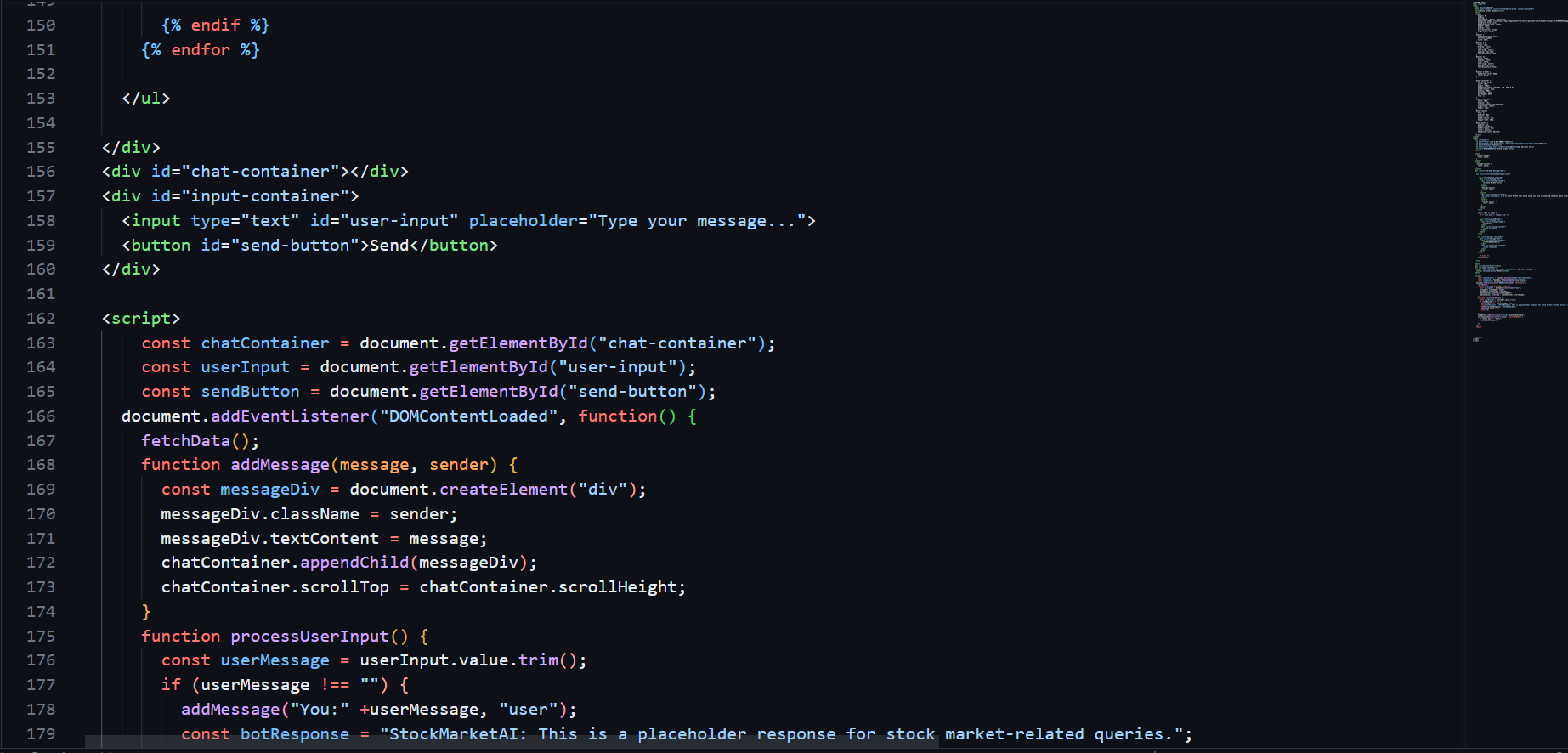














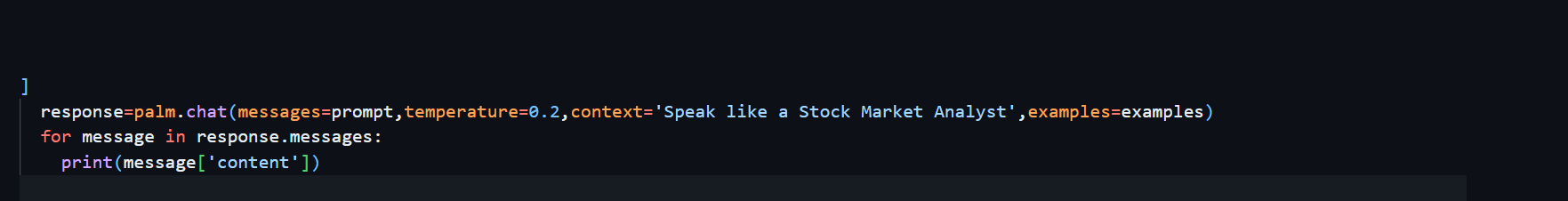
1. **CONCLUSION**

**d. The Back-End Coding:**

**File name: palm\_responses.py**

**Language used(Python : The Libaries involved Django , PaLm-API)**

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**REFERENCES**