Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY

Near Jnana Bharathi Campus, Bengaluru-560 056.

(An Autonomous Institution, Aided by Government of Karnataka)

Project Report

on

"STOCK PRICE VISUALIZER"

Submitted By

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[1DA21CS409]   **[1DA21CS092]**

Under the Guidance

Of

Prof. Arathi P   **Dr . Madhu B**

Asst. Prof., Dept of CSE   **Asst. Prof., Dept of**

CSE Dr. AIT   **Dr. AIT**

Department of Computer Science & Engineering

2023-2024

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CERTIFICATE

This is to certify that the project entitled **"Stock price visualizer"** submitted in the partial fulfillment of the requirement of the 6ᵗʰ semester AIML project curriculum during the year 2023- 2024 is a result of bonafide work carried out by

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ACKNOWLEDGEMENT

The satisfaction that accompanies this project would be incomplete without the mention of the people who made it possible, without whose constant guidance and encouragement would have made our efforts go in vain.

We consider ourselves privileged to express our gratitude and respect toward all those who guided us through the project, "**Stock price visualizer**".

We would like to express our gratitude to **C.Nanjundaswamy, Principal, Dr. AIT**, for providing us the congenial environment to work in.

We would like to express profuse gratitude to **Dr. SIDDARAJU, HOD, Dept. of Computer Science & Engineering, Dr.AIT**, for giving us the support, encouragement and providing us the required lab facilities that was necessary for the completion of this project.

As a token of gratitude, we would like to acknowledge our sincere gratefulness to the internal guides

Dr. Madhu B, Asst. Professor, Dept. of CSE, DR. AIT and Prof. Arathi P, Asst. Professor, Dept. of CSE, DR. AIT for their unlimited support and encouragement and environment provided throughout the process.

We also express our gratitude and sincere thanks to all the teaching and non-teaching staff of Computer Science & Engineering Department.

Finally, yet importantly, we would like to express our heartfelt thanks to our **Parents** for their blessings and our **Friends** for their help and wishes for the successful completion of this project report

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ABSTRACT

The "Stock Price Visualizer" project develops an interactive web application to visualize historical stock price data using Plotly and Flask. Key features include the ability for users to upload CSV files with stock price data, process the data, and select various time intervals (e.g., 1 month, 3 months, 6 months, 1 year, 2 years, 5 years) for analysis. Users can also toggle spike lines for enhanced data readability. Plotly's capabilities generate dynamic, easy-to-interpret plots, displayed within a user-friendly interface accessible to both novice and experienced investors. Targeted at financial analysts, investors, and individuals interested in stock market trends, this application leverages data visualization to improve market analysis and decision-making.

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