PRILIMINARY PROJECT REPORT

ON

FORECASTING STOCK PRICE USING MACHINE LEARNING

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE
IN THE PARTIAL FULFILLMENT FOR THE AWARD OF THE DEGREE

BACHELOR OF ENGINEERING IN INFORMATION TECHNOLOGY

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2022-23

Sinhgad Institutes

CERTIFICATE

DEPARTMENT OF INFORMATION TECHNOLOGY

This is to certify that,

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have successfully completed this project report entitled "**FORECASTING STOCK PRICE USING MACHINE LEARNING**", under my guidance in partial fulfillment of the requirements for the degree of Bachelor of Engineering in Department of Information Technology of University of Pune during the academic year 2022-23.

Date: -
Place: - Pune

Ms. Jaitee Bankar — Guide

Mr. Saurabh Parhad — Head of Department

Dr. V.V.Dixit

Principal

This project report is examined by us as per the Savitribai Phule Pune University, Pune requirements at RMD Sinhgad College of Engineering Warje, Pune-41 on

Internal Examiner **External Examiner**

ABSTRACT

The Stock market has always been a field of curiosity and also a field of tremendous risk. The market is a dynamic place to be but if you play with it right then there's no such thing as a share market, over the years many people have invested a huge amount of money and lost it whereas few have invested small chunks but pulled out a huge chunk of money. Many big players have been using various methods to trade in the market but not all methods are a success. As technology is moving forward and we're into the data-driven world why not use the recent advancements in technology to predict the movement of the stock market, while searching for an efficient method we came across Machine learning and deep learning which have been there for decades but not that advance to predict something unpredictable. Using various machine learning and deep learning algorithms we can easily achieve trade with maximum probability, methods such as RNN, LSTM, ANN, etc. Here we are using the day-wise closing price of two different stock markets, of a company based on the historical prices available. Here we are using the day-wise closing price of two different stock markets, the National Stock Exchange (NSE) of India and the New York Stock Exchange (NYSE). We'll be predicting the price moment based on the opening, closing, high, and low of the stock price, and by collecting the data from previous years we'll be able to achieve promising results.

Keywords: Deep learning, Stock market, Machine learning.

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