# Title of Project: Predicting Stock Market Prices

## Goal

Developing a machine learning model to predict and forecast changes in the NIFTY-50 index in the Indian stock market is my goal. Many businesses nowadays make stock trading and investments easier for novices by streamlining the process. Still, it's quite difficult to predict stock values with any degree of accuracy. No one can merely rely on recollection to recollect the last ten years' worth of market performance and predict if the price of a share will rise or fall in the upcoming trading session. As a result, being aware of the possible direction of the market might enable traders to create winning trade plans for their next trading sessions.

## Approach

The main goal of my endeavor is to take on this obstacle head-on. My goal is to develop a model that can predict the price changes of the NIFTY-50 index. A dataset from Yahoo Finance that covers the last 14 years will be used to train this model. Furthermore, I hope to expand this project by creating a model that can forecast the prices of specific stocks. Even though this project has more moving parts than others, I think it can be done.

## Applications and Methods

For model development, I'll use Python and Jupyter Notebook; for version control, I'll use Git & GitHub.

## Anticipated Outcomes

My main goal is to surpass 85% in forecast accuracy. Forecasts for the open price, closing price, and average price will all