

# Project Name: Stock Market Analysis

Team members and contact information:

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Need	Approach	Benefit	Competition
<p>Who needs it and why?</p> <p>1) Investors, Stockbroker and traders rely on stock analysis in helping them find a profitable stock.</p> <p>2) It helps traders and investors decide when to purchase and sell by evaluating investment sector, a specific stock, or whole stock market</p>	<p>The approach :-</p> <p>1) Frontend using Javascript, HTML, CSS, etc</p> <p>2) ML using python libraries such as sklearn, pandas, matplotlib, scipy, yfinance, numpy, etc.</p> <p>3) Backend Mysql, etc.</p>	<p>1) It helps the investors to identify whether the worth of security is valued in the market.</p> <p>2) By using stock analysis, investors, financial analyst and traders arrive at equity buying and selling decisions.</p>	<p>Will append few additional features regarding the stock analysis by providing equity return analysis and extrapolating the returns of investment.</p>

Why is this a good space?	Online project folders, documents:
<p>1) Trading will become much more efficient for online traders to make good investment decisions that generate consistent returns.</p> <p>2) It would provide precise and evaluated information and save the time spent by the investors studying and examining a certain equity data</p>	<p>Online dataset:-</p> <p><a href="https://www.kaggle.com/datasets/hershyandrew/amzn-dpz-btc-ntfx-adjusted-may-2013may2019">https://www.kaggle.com/datasets/hershyandrew/amzn-dpz-btc-ntfx-adjusted-may-2013may2019</a></p>

## How will you win?

This application assists businesses, corporations, investors, and traders in making profitable business decisions which will also contribute to individual asset growth.

## What is Working/Known:

- 1) The past and current data, opening, low, high and closing prices of a stock is available.
- 2) Also, information regarding shareholder pattern and size of the company accessible.
- 3) Time horizon i.e. short term ,medium term or long term investment is a premeditated decision of the investor

## What is Not Working/Known:

- 1) Government policy changes are uncertain and require to be carefully regulated
- 2) Unpredictable and abrupt increase in stock values owing to inflation

## Reflection 1:

The public perception of the stock market has been largely negative, as evidenced by the low confidence ratings for some institutions.

## Reflection 2:

Many investors are taking the opportunity to make hard decisions with their money now, with the aim of taking advantage of the current conditions.

## Avisor/Manager:

The stock market has always been a volatile and unpredictable place, and managers must take this into consideration when making decisions. Managers must look at both the short-term and long-term implications of making investments in the stock market.

# Project Checklist:

To do list / assigned name:

Saurabh Pandey

Aakash Chaudhary

Gauri Tripathi

Shashwat Chaturvedi

Sparsh Patel

Vaibhav Ganesh

To do list / assigned name:

BACKEND

DATA PRE PROCESSING

MODEL TRAINING

MODEL CREATION

UI/UX

FRONT END