**STOCK INFO DASHBOARD**

**Using machine learning**

1. [Introduction](https://github.com/Sloopy3333/Live-Stock-price-Dashboard#introduction)
2. [Project Overview](https://github.com/Sloopy3333/Live-Stock-price-Dashboard#Overview)
3. [Requirements](https://github.com/Sloopy3333/Live-Stock-price-Dashboard#req)
4. [Tools Used](https://github.com/Sloopy3333/Live-Stock-price-Dashboard#tools)
5. Python Library
6. Data Source
7. Dashboard Visualization

**Introduction**

This project is a Interactive Stock Dashboard with [Python](https://plotly.com/dash/) with some Technical Indicators like \*\*\*\*\*\*\*\*\*\*\*\* this is a educational project not intended to use for any trade purposes

**Project Overview**

This project aims towards displaying the live stock values and some technical indicators that helps traders to predict the stock behavior. For now the project is for study propose only

**Requirements**

**Tools Used**

**Python Library**

QuanStats, Dash Plotly

**Data Source**

Yahoo Finance, Investopedia

**Dashboard Visualization**

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**Algo Trading**

Algorithmic trading uses a computer program that follows a defined set of instructions. Our Criteria is to show when its 50-day moving average goes above the 100-day moving average, a moving average is an average of past data points that smooths out day-to-day price fluctuations and thereby identifies trends, then point in the graph BUY / SELL (Entry / Exit) recommendations when shares of the stock its 50-day moving average goes below/under the 100-day moving average.

Algorithmic trading provides a more systematic approach to active trading than methods based on trader intuition or instinct. But be aware of this is a high-risk strategy where the idea is to maximize gain and/or minimize losses.

**Sharp Ratio**

The [Sharpe ratio](https://www.investopedia.com/terms/s/sharperatio.asp) is a well-known and well-reputed measure of risk-adjusted return on an investment or portfolio. It can be used to evaluate the performance of an individual stock.

The Sharpe ratio indicates how well an equity investment performs in comparison to the rate of the S&P 500 index.

**Daily Return,**

It is the daily price change of a stock expressed as a percentage based on the closing price.

**Cumulative Daily Return**

A cumulative return on an investment is the aggregate amount that the investment has gained or lost over time. The cumulative return is expressed as a percentage based on the stock closing price.

**rolling,**