**Nifty - 50 stock price prediction**

**Input & Training**

Scrape the daily data of all stocks in NIFTY - 50 for the last 4 years.

Train a stock price prediction model for each stock.

**Portfolio Analysis**

Input to model from users. -

* Stock Name
* Quantity of that stocks
* Buying date
* Selling date

**Points Regarding the buying and selling date**

1. Buying date and selling date are the dates where buying and selling of stock is done. User will give it as per his need. But you can give any input for testing.
2. Buying and selling date can be anything in the future or past
3. If the dates are in the future, you can use predicted prices to calculate final P&L else you can use already existing historic data

**Output**

Calculate the overall returns on their portfolio using google sheets. User will give all the input in the google sheets and the final output should be populated in the sheet itself.

|  |  |
| --- | --- |
| Title | Values |
| Stocks\_Name | ADANIENT |
| Total\_quantity | Numeric\_value |
| Opening stock | Numeric\_value |
|  |  |
|  |  |
| Closing stock | Numeric\_value |
| Final P&L | Numeric\_value |

Bonus Point -

Develop an attractive frontend that provides essentials stats about portfolio.