



Smart **Invest**

THE AI & DS TOOL FOR INVESTING



Investing using AI

Smart Invest is a tool that predicts the ROI of a stock for the next 90 days.



Data Flow

01

Model Trained

For 5 sectors, as each sector behaves differently, and we consider ROI as the target variable instead of the closing price as Closing Price is highly unpredictable whereas ROI seems a little more stationary

02

Choose Sector

Choose the sector you want to invest in (Test Case being Textile, Construction, IT, Iron and Steel and Chemical Sector)

03

Choose Budget

Enter the budget you are willing to spend (Per Stock)

04

Returns suggestions

Returns suggestions based on volatility and the ROI for the next 90 days.

A deeper look

The model used is a hybrid/ensembling model consisting of a multiple regression and a "Long Short Term Memory" neural network model.

Multiple Regression: Is a model that is used for simply analysing and recreating the trend of the stock in the market, and follows its patterns

LSTM Neural Network: is where our model differs from other models, as LSTM accounts for policy changes, and economic indicators and normalises it into the dataset.

As a result of combining both ML algorithms, we get a unique way of predicting stocks.

Answers to Questions:

On what basis are you predicting the ROI?

How do you derive these "features" for
the next 90 days?

What does "Best Selling Date Approx" suggest?