

# STOCK MARKET ANALYSIS ASSIGNMENT

## UpGrad

I am Karnam Abinay Goud, I am pursuing Data Science course in UpGrad. The steps I have followed to complete the project are:

First of all I have taken the columns which I have needed from all tables from the given datasets. Then for every table I have set the date format as I have sorted it as the minimum to maximum date wise and converted csv to sql format.

Then for every table I have inserted values, and after that with the first table I have created the second table with the 20 day MA and the 50 day MA and given the first 20 and 50 rows null respectively, Then for the rest of the rows I have given the average of the 20 days and 50 days respectively by if 20 day MA is greater than 50 day average then to buy the stocks else sell the stocks. Later I have created one more table and in that I have created a signal1 column and given a result as to buy or sell the stocks. And created the master table which contains all tables closing price. And at last for every company I have defined a user defined function to get the signal to get on the specific date we want by giving the input date.

From this project I have learned the creating, inserting, selecting, updating and different types of queries and user defined function and many more queries.