# Makers 2022

**Vaishnavi Virat Dave**

**1$^{st}$ year, ECE Department**



# STOCK ALERT

## IDEA DEVELOPMENT :

We are busy people but anyone would like a side income. Stock market is one of the most famous and also the most used mode of side income. But we, technocrats actually do not have the time to keep a check on the fluctuating prices of stocks. This problem motivated me to develop something that sends us alert messages if the percentage change is greater than what we specified. You will also be provided with specified number of latest news articles about the companies you select so that you know about their updates without wasting time to search them on the web.

# TECH-STACK USED :

Majorly Python along with its libraries like Tkinter, smptlib, requests, twilio and pandas.

2 APIs:

Stock Endpoint: https://www.alphavantage.co/query

News Endpoint: https://newsapi.org/v2/everything

# IDE USED :

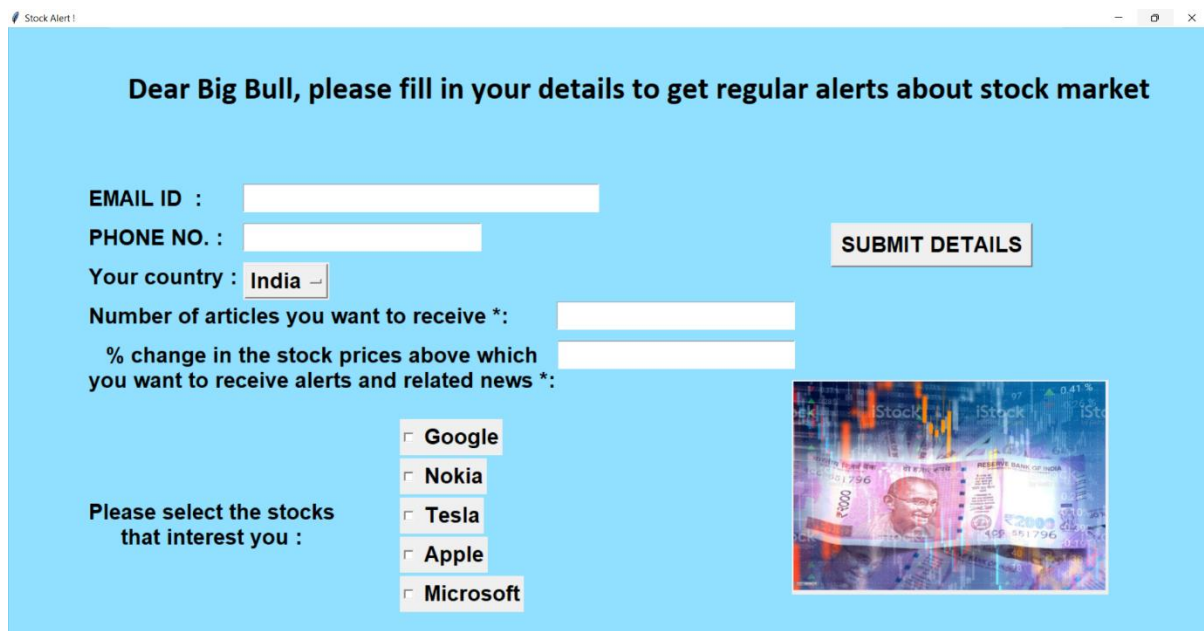Pycharm and Python Anywhere ( Cloud )

# FEATURES :

I suggest you not to run this code as to see its working as you need to decrease the security levels and verifications of both your phone number and e-mail id to allow the console to send you the notifications. I have attached the screenshots of the e-mail part of the code for you to verify the code's working.

The below shown is the home page of the app. Here, you need to enter your name for further reference and press submit .
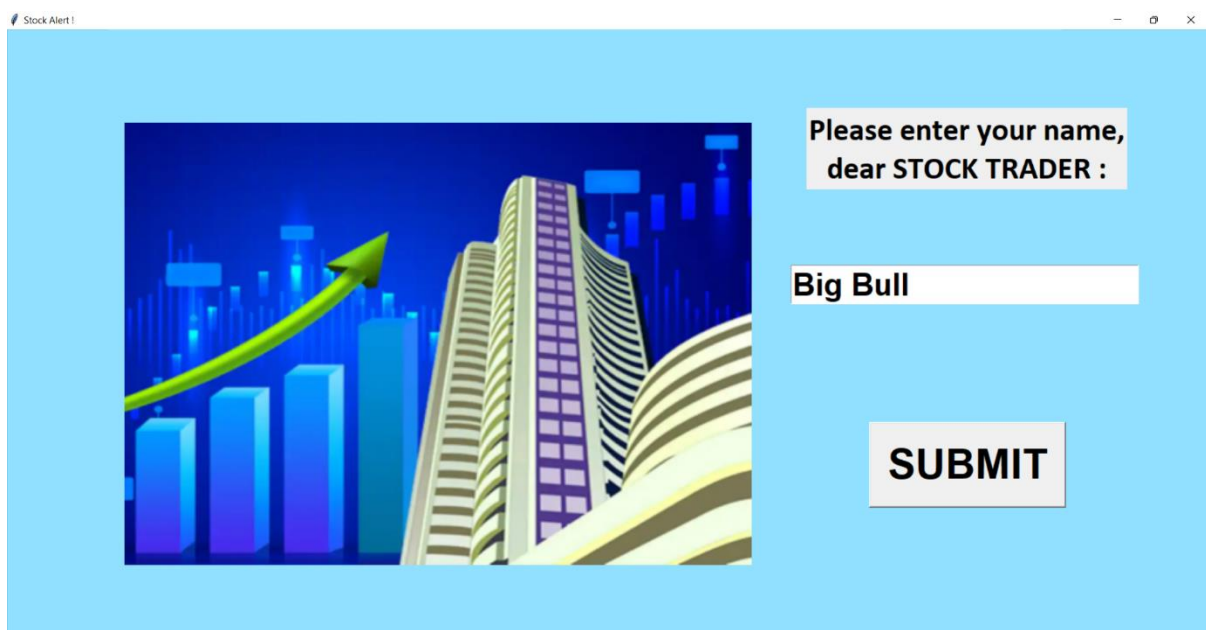
Once you press submit, you will be brought to a page where you need to fill in your details according to which you will get your updates on your entered credentials.
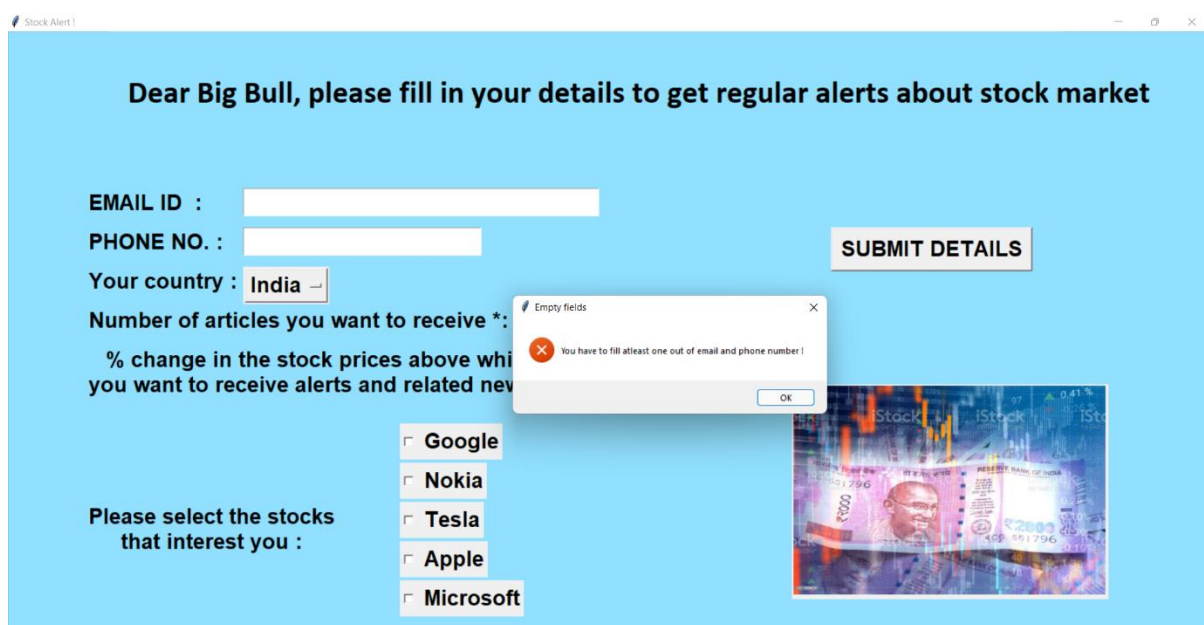
You will have to fill either your phone number or your email id to get the stock alerts. I have shown it using the email notifications as lowering the security levels of phone number is not viable.



I have created a dummy e-mail id on gmail to show the working. The email id is [dummyemailidentity@gmail.com](mailto:dummyemailidentity@gmail.com) .You will have to fill your email id in there.
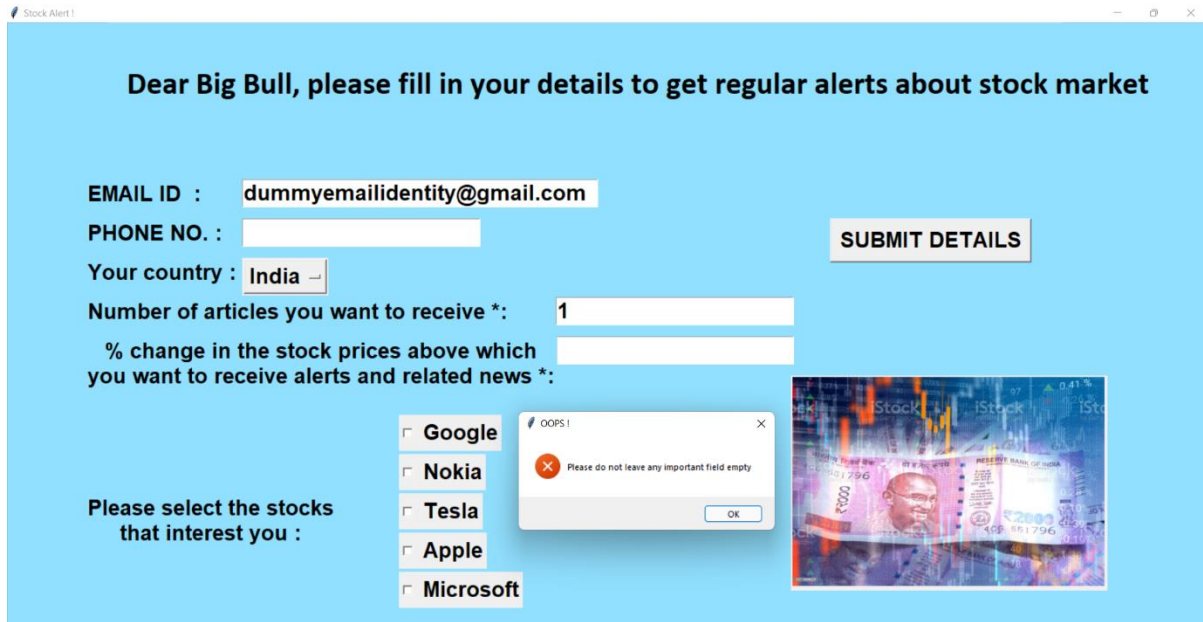
You will have to fill either the e-mail id or the phone number to get the alerts. If both of them are left empty, you will get an error

message as follows.

Leaving any of the other fields empty would give you an error



message as follows:

You will get stock alerts about only those stocks which you select from here. Once you re-check all your details, click on submit details.

You will be allowed to review your entered information through a message box. Press OK if everything is fine.

You will get updated about the %change in the stock price of the stocks selected and if they are greater than the percentage you entered , you will get your entered number of news articles about that company.
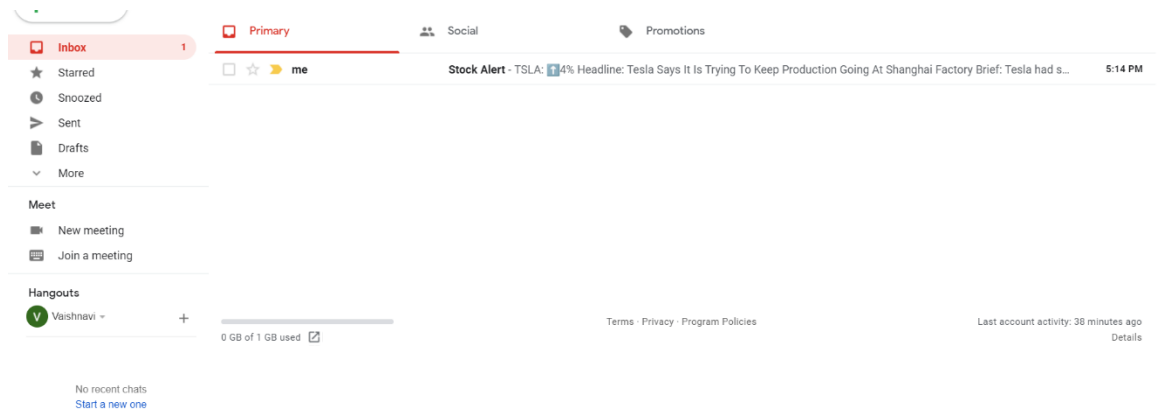


To keep us updated everytime the price changes, I have used the python anywhere cloud that runs the program every 24 hours.

# WHY I WANT TO JOIN SDSLABS :

I want to bring my logical dreams to reality. I want to create something out of the world, something different from the lots and effectively useful for the society. Having understood the legacy of SDSLABS, I thought it would be a perfect place to hone my coding skills and come closer to my destination. If given a chance to be a part of this legacy, I ensure you that I will keep up to its mark.