



STOCK MARKET SMART ADVISOR

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ABSTRACT

- nowadays many are investing in stock market and few are facing a huge loss
- our application Stack Market Smart Advisor , it will be useful to avoid unwanted investment or losses.
- Our app will be useful for all individuals such as beginner and professional as well.
- we will be developing this application using python

INTRODUCTION

- We will be developing a python application which will be hosted on the cloud
- And every day the application will get the stock ending price of last two days and it analyse it later it will be send an SMS regarding the particular stock weather it is in profit or loss and it will suggest us to invest or not
- We will be using python anywhere cloud to host the application ,ALPHA VANTAGE API to get Stock related data, SMTP used to send SMS.

Literature Review

Seeking Alpha

- Best Stock Analysis Website for Investment Research + Stock Recommendations
- Seeking Alpha is a crowd-sourced content service for financial markets. Articles and research covers a broad range of stocks, asset classes, exchange-traded funds, and investment strategies
- Millions of passionate investors connect daily to discover and share new investing ideas, discuss the latest news, debate the merits of stocks, and make informed investment decisions.

Drawbacks:

- Not for Long-Term Investors Looking for Growth Stocks.

Motley Fool Rule Breakers

- Best Stock Market Website for Growth Recommendations
- Discover market-beating growth stocks, learn which businesses are poised to be tomorrow's stock market leaders, and see which companies are the best stocks to invest in today.
- **The Motley Fool is completely legit.** The company seeks to make people happy, make them laugh, and make a lot of money for their customers. You don't have to spend a ton of money on a subscription service to get started.

Drawbacks:

- Not for short term investors.

Trade station Analytics

- Trade Station helps you analyze stocks, options, ETFs, stock futures, and crypto markets
- Full suite of trading tools to help traders maximize their trading opportunities and manage their risk.
- **Trade Station** innovative trading and **analysis** platform provides one-click access to all major exchanges and market centers

Drawbacks:

- **Trade Station** only for casual traders through its **web**-based platform.

Zacks Investment Research

- where the service selects two stocks and rates them as a Bull (strong buy) or Bear (strong sell) pick.
- using your personal money to invest in the stock market include the potential return on investment and ownership.

Drawbacks:

- Only used for investment platform.

Proposed system

- In this project we are going to create a stock market smart advisor web application.
- The user can enter the Email address , phone number and can choose the stock to get registered . And the registered data will be stored on database. As per the request the specific stock from packet is served individually to the user . The feedback of individual stock are send to the user in daily basis.

Module Description

- It has mainly Four Modules:
 - 1.Register Module
 - 2.Admin Module
 - 3.Analyze Module
 - 4.Mail Sending Module

Register Module

- We use React to develop for building user interface create a register form. A client has open a web application then register to name , email ID, password ,confirm password , choose the stock and enter the button.
- When the client enter the e-mail id it will verify, if it is correct mail id or not. If the mail-id was wrong, it will show the error.
- The user want to choose the stock , which stocks they are want. Then the user click the register button. The client data will be stored in the database.

Admin Module

- Admin can see all details in brief like a Client registered details and view the client which stock they selected details.
- Admin can manage add ,delete ,update the Stock's.
- Admin can search particular stock details.
- Admin can check the daily activity of the user.
- Admin can make the future update of the web application.
- Admin check, whether the email has correctly sending to the user. If any error occurred in sending mail the admin can fix it. Admin take the daily new user update.


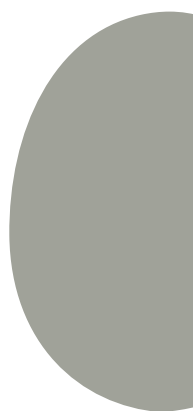
Analyse module

- Python used Alpha vantage Application program interface is analyze to will get stock ending prices of last two days.
- Alpha Vantage provides enterprise-grade financial market data through a set of powerful and developer-friendly APIs. From traditional asset classes (e.g., stocks and ETFs) to economic metrics, from foreign exchange rates to crypto currencies. From fundamental data to technical indicators.

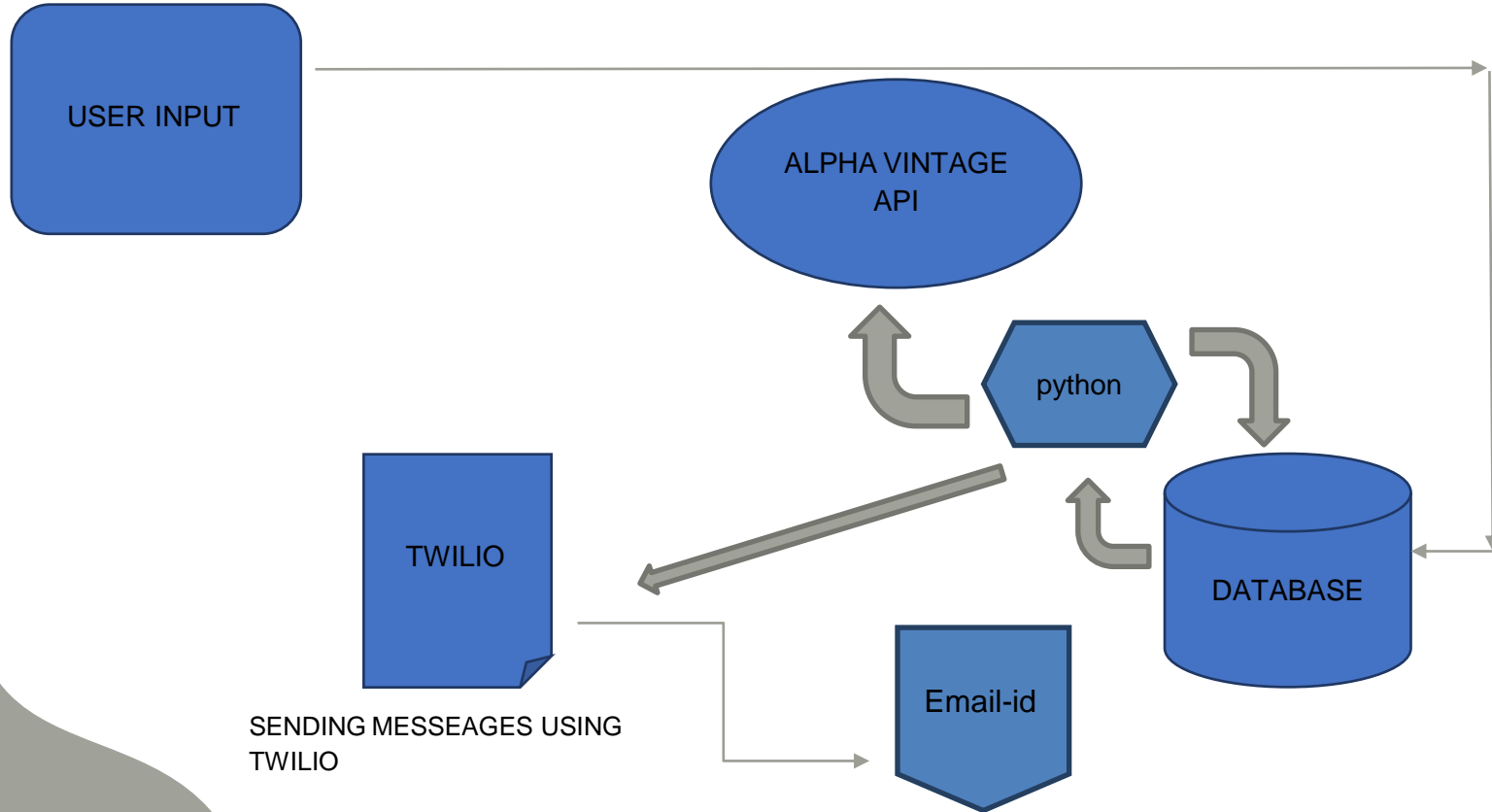
- Alpha Vantage is your one-stop-shop for real-time and historical global market data delivered through RESTful stock APIs key `{ibmUnitedStates:"IBM",TescoPLC:"TSCO",ShopifyInc:"SHOP.TRT",GreenPowerMotorCompany:"GPV.TRV",DaimlerAG:"DAI.DEX",RelianceIndustriesLimited:"RELIANCE.BSE",SAICMotorCorporation:"600104",ChinaVankeCompanyLtd:"00002.SHZ"}`; This are stock key to get the stock update.
- Using this the python will get data in alpha vintage API, and Analys the user data.

Mail sending module

- SMTP(Simple Mail Transfer Protocol)is send the SMS(Send Short Messages) & Email (Electronic Mail) to client request.
- The specific stock packet is served individually to the client in daily. It will get the stock data in python and send the mail to the user.
- It will send the daily update of the stock.
- We using free source mail sending of SMTP. It can send up to 300 mails per day. If we have more than 300 user, we use the professional source of SMTP. The professional source of smtp can send unlimited mails.

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SYSTEM ARCHITECTURE



REFERENCE

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- 2.David Garden and Tom Gardner (1993)' Motley Fool Rule Breakers'- Journal of Impact Vol.51, No.2, pp.221-227.
- 3.Monex Group (1982)' Trade station Analytics' -Journal of Analysis Stocks Vol.27, No.5, pp.345-349.
- 4.Len Zacks ()1978' Zacks Investment Research'- Journal of Analysis Stocks Vol.22, No.6, pp.233-239.

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THANK YOU