

# Stock-News-Alert

## Introduction:-

The objective of this project is to get the latest news of the specified company, which affect the stock price. Stock price of any company is heavily affected by news in short term. If stock price is fluctuated more than our specified parameters than we get an sms that “why the stock price is fluctuated so much”.

## Example:-

On 6 July **Tata Motors** share price fall by more than **10%** between 1 p.m. to 3 p.m.. “The stock suddenly came under pressure after the company highlighted that its Jaguar Land Rover (JLR) division will see negative earnings before interest and taxes (EBIT) margins in the September quarter (Q2FY21). The company has lowered its expectation for JLR due to the global chip shortage issue. The company said that chip shortage will be greater in the second quarter in comparison to the first quarter of FY22.” If trader can get sms after falling just 1% in 15 min than he can save his profit or can prevent major loss.

## Implementation details:-

In this project, we use three api –

- **Alpha Vantage api** – To get stock prices for specified time and company.
- **News api** – To get the latest news of specified company
- **Twilio** – To get sms on our verified number

To make this project, we firstly make a necessary parameters file. In which we have our company name, company symbol, Interval, price difference api related private information. Then we make two files, one for Intraday and one for daily.

In our Intraday and daily files,

- we first import required module and then specify required stock parameters.
- Then make a data\_list and store the closing price of stock using alpha vantage api.
- Then we get the absolute difference and % difference between last two closing price for specified time period.
- Then we specify our condition. And store first 3 articles using news api.
- Lastly we send each article on sms using twilio account.

## Conclusion:-

Using this project, we can track any unexpected news that affect stock price. For example if we use this project on Microsoft stock on 14 July and make % difference to 1 then we get following sms –

13:42

VoLTE+ VoLTE 41%



57575791

13:42, 14 Jul



Sent from your Twilio trial account - MSFT: ▲1%

Headline: Internet of Things (IoT) Enabled Industrial Wearables Market - increasing demand with Industry Professionals: Alphabet Inc., DAQRI LLC, Fujitsu Ltd., Honeywell International Inc., Intellinium, Microsoft Corp., RealWear Inc., Seiko Epson Corp., Vuzix Corp., and - KSU | The Sentinel Newspaper.

Brief: Internet of Things (IoT) Enabled Industrial Wearables Market - increasing demand with Industry Professionals: Alphabet Inc., DAQRI LLC, Fujitsu Ltd., Honeywell International Inc., Intellinium, Microsoft Corp., RealWear Inc., Seiko Epson Corp., Vuzix Corp., an...



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