

PROJECT REPORT

TRACKING PRICE OF A PRODUCT ON AMAZON USING PYTHON AUTOMATION

OVERVIEW:

A python-based project which tracks the price of an item on amazon and sends a pop-up notification on our phone when the price of the item drops below the desired price. Please go through the readme file for instructions.

MOTIVATION BEHIND THE PROJECT:

Keeping track of price of products in the online sites is not an easy task. Price of products keep on fluctuating and we receive huge discounts during some days of festivals. So, this project helps us by keeping track of price of a product and helps us in buying it at an affordable price.

FURTHER DEVELOPMENTS:

This project tracks just one product at a time (Which can be listed as one of its limitations).

We had to use a third-party application in order to get a pop up notification on our mobile. Which we can avoid while developing the project further.

The same idea can further be developed and be used to keep a track of stock market. Tracking the price of Bitcoin, Gold or even the drops and gains in share market.

Investments in stocks right now has become trend since the rate of growth in stock markets are also on bullish. Those who invest in these have to manually check the price drops and rises. Well, this method could be quite time-consuming, it takes effort and it requires consistency. Everyone might not have the time to sit and observe the changes in share value all day long.

We can use somewhat a similar approach to develop a share value (or bitcoin) tracker so that user can gets notified about the prices and helps them in buying or selling stocks at a right time.

PROBLEMS FACED:

- 1)We have learnt how to work under constant pressure and in a very short time and we took lot of time figuring out what project we can do.
- 2)We were completely new to Web Scraping and some other features used in our project. So, it took time.
- 3)The product still isn't completely functional as it tracks just 1 product.
- 4) Even we weren't familiar with GitHub.

EXPERIENCE GAINED:

- 1) We learnt how to use GitHub, this is the first time both of us are using GitHub
- 2) We even learnt we can push our limits and coordinate sitting at different places.
- 3) We learnt a lot more about Python than what we already knew.

CONCLUSIONS:

We are committed to take this project next level once we get little time and develop the third-party app also on our own using HTML, CSS and java script. I strongly believe this idea is feasible at least for bitcoins because they are highly volatile so within a very small moment anything can happen and also, we have trying to improve the timer so to multiple users can handle it at a time.

REFERENCES:

https://youtu.be/Bg9r_yLk7VY

<https://towardsdatascience.com/manage-your-money-with-python-707579202203>

<https://www.youtube.com/watch?v=tbzPcKRZIHg>

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