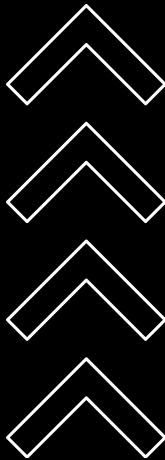


AMAZON PRICE TRACKING PROJECT

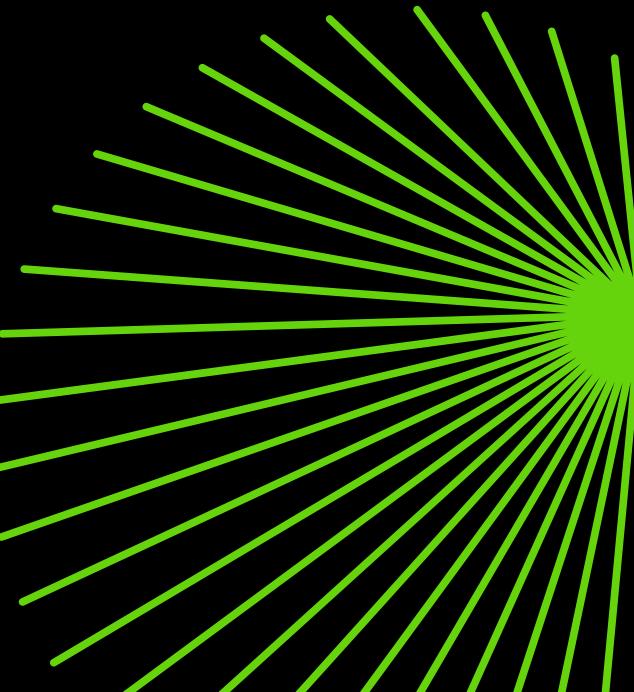
BY :
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INTRODUCTION

- Overview: Automating Amazon price tracking using Python.
- Objective: To monitor prices daily and alert users for better purchasing decisions.
- Key Technologies:
Python, BeautifulSoup, requests.



CTION



PROBLEM STATEMENT

PROBLEM

- **Problem:** Manually checking Amazon prices is time-consuming.
- **Solution:** Automate the process with a web scraper to save time and track trends.



TECHNOLOGIES USED

- Programming Language: Python
- Key Libraries: BeautifulSoup, requests, csv, pandas, smtplib.
- Email Notifications: Automate alerts with Python's smtplib.

TECHNOLOGY



METHODOLOGY

METHODS

- **Data Extraction:** Scrape product data from Amazon.
- **Data Storage:** Save to CSV file.
- **Daily Automation:** Schedule script to run every 24 hours.
- **Notifications:** Send email when the price drops below the target.

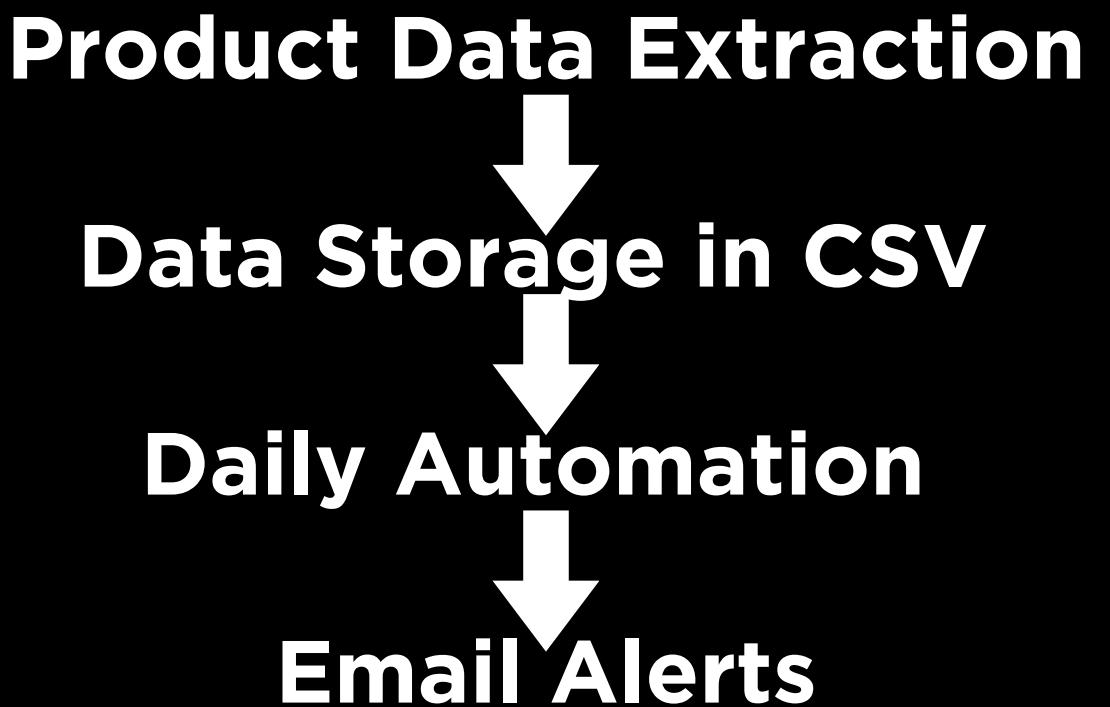


METHOPOLOGY



TEM WORKFLOW

SYSTEM WORKFLOW



- Components: Scraper, CSV logging, automation loop, email notification.

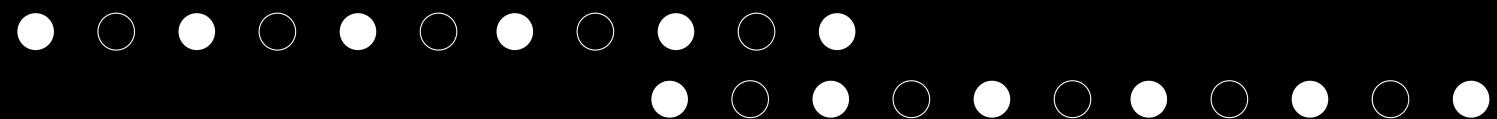
SYSTEM

EXPERIMENTAL SETUP

- **Data Collection:** Product details collected daily.
- **Storage:** CSV file for historical price tracking.
- **Automation:** Loop setup for continuous monitoring.

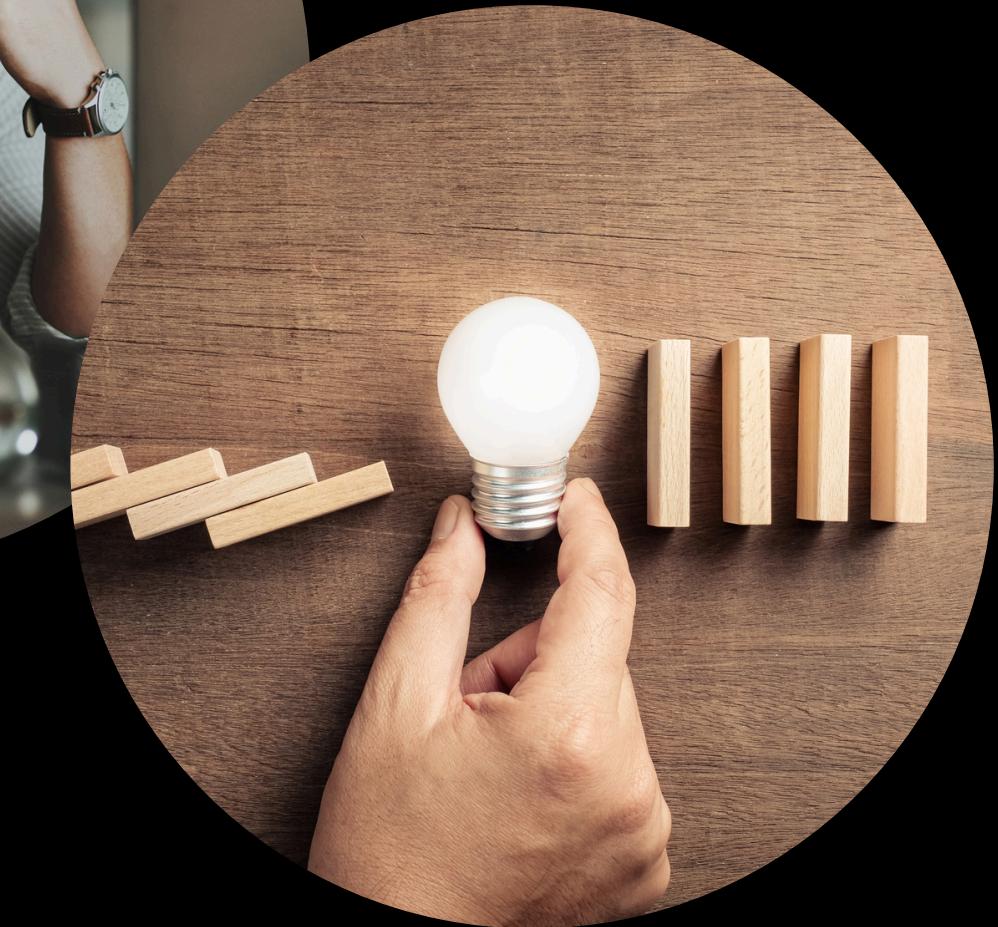


SETUP



CHALLENGES AND SOLUTIONS

- Challenge:** Handling Amazon's anti-scraping measures.
Solution: Use headers to mimic browser behavior.
- Challenge:** Dynamic content extraction.
Solution: Adjust scraping parameters to adapt.



C S S

CLUSION

CONCLUSION AND FUTURE SCOPE

Conclusion:

Successfully automated Amazon price tracking.

Future Scope:

- Multi-product tracking.
- User interface.
- Predictive price analysis.

FUTURE

THANKS
THANKS
THANKS
THANKS

