

Affiliate



Sponsor



Problem Statement

Consumers and businesses struggle to analyze product reviews efficiently due to the overwhelming amount of online data. Manual research is time-consuming, and existing tools either lack customization or are expensive. Our project aims to provide an accessible and efficient solution for extracting, analyzing, and visualizing product review data.

Our Solution

A web based scraping tool designed to help users efficiently collect and analyze e-commerce product reviews. The tool extracts relevant data from various e-commerce platforms and organizes it into structured review data, which is stored securely in AWS S3. It also provides valuable analytical insights using AWS QuickSight, enabling users to gain actionable information from the reviews. With its intuitive user interface, the tool allows business users to easily look up and query the collected data for their analysis needs.

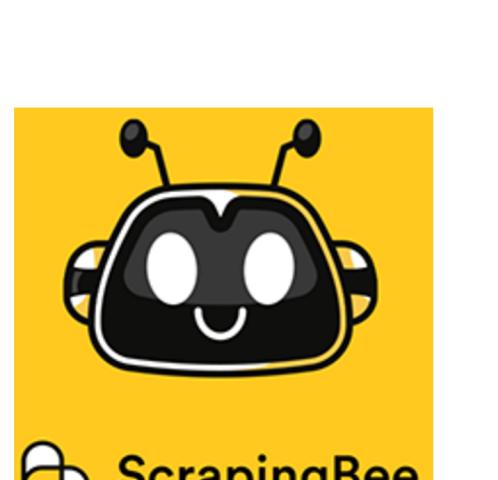
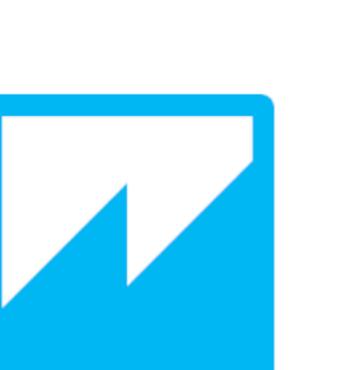
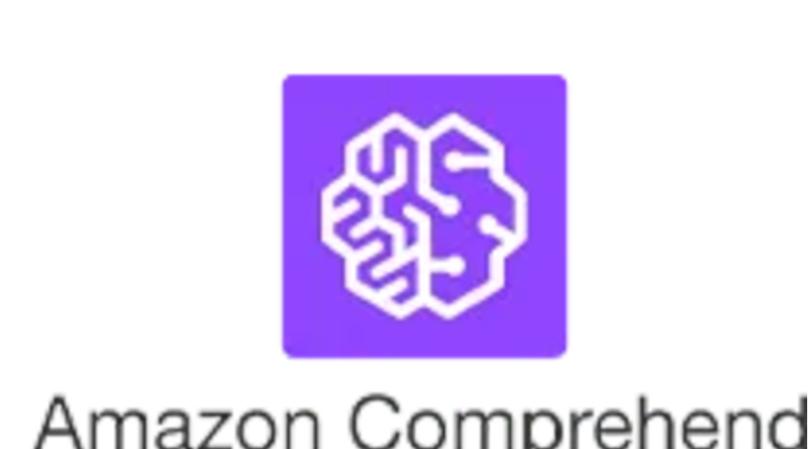
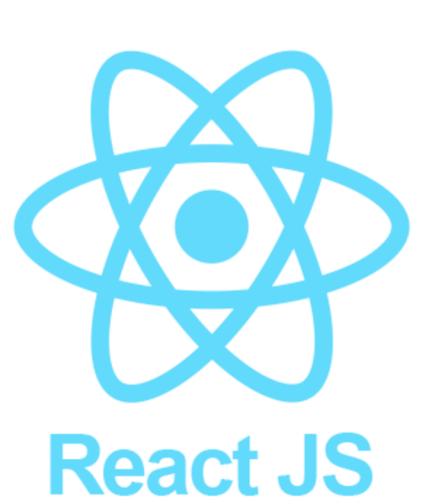
Challenges

- Handling Anti-Scraping Mechanisms
- Optimizing API and Cloud Costs
- Ensuring Ethical & Legal Compliance

App Structure

- User Inputs Target URL or Product
- Scraper Fetches Data
- Data Processing & Storage
- Data Visualization & Insights

Technology Stack



User Interface

Welcome to Data ScraperX
Easily scrape product data, analyze search results, and extract reviews in just a few clicks.

Step 1: Enter URLs
Provide product URLs from Amazon, Best Buy, or other supported sites.

Scrape Product Data
Enter product URL: Scrape

Step 2: Choose Options
Select the number of pages and other filtering options that may apply.

Enter Review URL (Amazon, Best Buy, etc.)
+ Add Another URL
Number of Pages: 1
Scrape Reviews

Step 3: Scrape & Analyze
Click "Scrape" to extract data and download results as CSV or Excel.

Results

| Product Name | Category | Price | Availability |
|--------------|-------------|----------|--------------|
| Product A | Electronics | \$199.99 | In Stock |
| Product B | Home | \$24.99 | Out of Stock |
| Product C | Clothing | \$49.99 | In Stock |

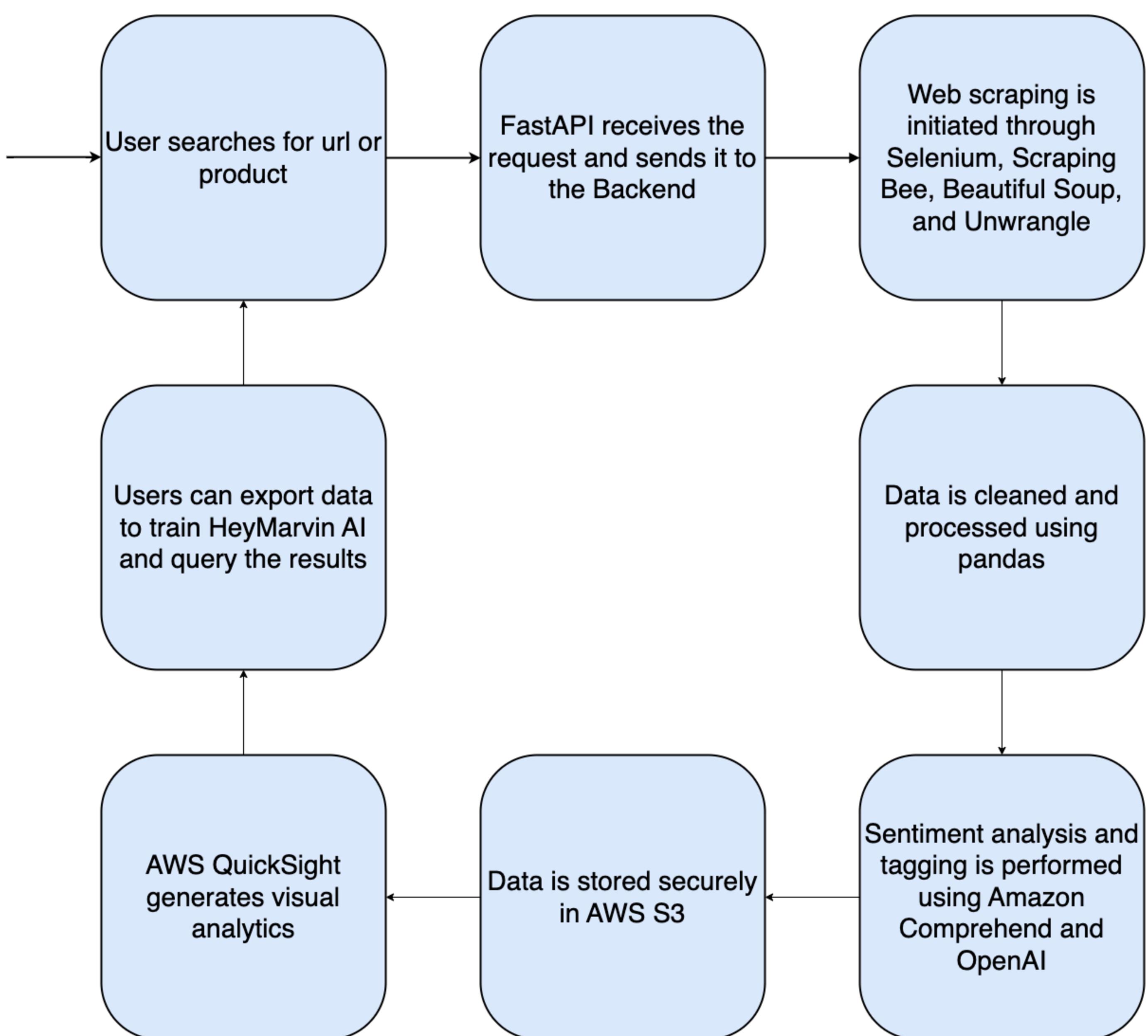
Download Results

Ready to get started? Choose a feature below:
Search Products Scrape Products Scrape Reviews

DATA SCRAPERX
SIMPLIFYING INSIGHTS, AMPLIFYING RESULTS



System Architecture



Team Members



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Advisor