Yash Panchal

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Work Experience

Python Developer *CrawlMagic Solutions* oct 2022

- Designed and developed multiple web scraping solutions using Python libraries such as **Scrapy**, **BeautifulSoup**, and **Requests**. Implemented data extraction pipelines to collect information from various websites and online resources, ensuring data accuracy and efficiency.
- Integrated web scraping results with multiple databases for easy storage and access. Leveraged SQL databases (**MySQL, PostgreSQL**), NoSQL databases (**MongoDB**), and cloud-based platforms (**Supabase, Airtable**) for storing structured and unstructured data.
- Built automation scripts using Selenium and Playwright to automate tasks like form submissions, data extraction, and user interactions with web applications, enhancing the efficiency of routine tasks and workflows.
- Developed and deployed **RESTful APIs** using Django to manage and interact with scraped data. Implemented CRUD operations to facilitate smooth data management, including data retrieval, updates, and deletion through the API endpoints.
- Actively engaged with clients to understand project requirements, goals, and deliverables. Provided tailored solutions to meet specific client needs and ensured high-quality results delivered on time.

Project

Broadwayinbound Data Scraper | Python, Django, Playwright, SQL
- Developed a Python script using Playwright to automate secure data scraping from a web application, incorporating automated login functionality and allowing users to input show names and date ranges for customized data extraction.
- Designed a local storage solution in JSON format to save the scraped data and created a Django-based API to fetch data based on show names and time, while integrating it with a client's PHP API for seamless data transmission.
- Enhanced the scraping logic to improve both the efficiency and accuracy of data extraction, ensuring optimal performance and reliability.

Yellow-pages API Integration | Django, Python, Request, MongoDB, SQL, Selenium
- Developed a Python script to scrape data from various online directories (YellowPages.com, Dentalyp, Medicalyp, YellowPages.in, WhitePages.com), using the requests module and Selenium for dynamic page scraping, and stored the extracted information in an SQL database.
- Created a Django-based API to perform CRUD operations on the scraped data, with added filters for specific searches and implemented authentication to ensure secure, authorized access to the API.

Education

Bachelor of Computer Applications (BCA) Aug 2019 - Aug 2022
Dr. Babasaheb Ambedkar Open University
Master of Science in Information Technology (MSCIT) July 2023 - July 2025

Skills

- **Languages:** Python, HTML, CSS
- **Frameworks/Tools:** Django, Web Scraping (Scrapy, BeautifulSoup, Requests, Selenium, Playwright)

- **Databases:** MySQL, MongoDB, Supabase, Air table