SHUBHAM JAIN

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Education

Northeastern University | Masters in Information Systems, , Expected May'24	**Boston, MA**
Courses - Application Engineering Development(Java), Database Management & Database Design	*GPA- 3.83/4.0*
Sardar Patel Institute of Technology | B.Tech in Electronics & Telecommunication	**Mumbai, India**
Courses - Database Systems, Fundamentals of DSA, Discrete Time Signal Processing, ML & AI	*CGPA - 9.05/10*

Skills Summary

Languages: Python, Java, HTML, CSS, Tailwind CSS, JavaScript, SQL, Dart, TypeScript
Developer Tools: Google Colab, Jupyter Notebooks, GCP, AWS(basics), Android Studio, MySQL, Netbeans
Technologies/Frameworks: Flutter, VueJS, Angular, Git, Web Scrapping

Experience

Quantiphi, Inc   **Jan' 21 - July' 22**
Framework Engineer-Software Developer   *Mumbai, India*

- Developed the front-end of a mobile banking application 'Cymbal' for Android/iOS using **Flutter** and **Dart** technologies. Formed core banking functionalities such as creating an account, credit verification, loan-application etc. Integrated **Google Firebase** for authentication and authorization purpose and used **Git** for version controlling Used **Android Studio** as a platform for making the application
- Developed the frontend MVP of the application 'Quggle DRI' using **Angular**. It provides a metric called Delivery Readiness Index which helps the client (Google Cloud) assign projects to its delivery partners based on this index.
- Developed the frontend of an E-commerce website in **Angular** which was presented in AI Summit London under the name 'Retail Demo'.

Bitgenie Technologies   **Apr' 20 – June' 20**
Data Science Intern   *Mumbai, India*

- Scrapped websites of multiple E-commerce companies in the form of PDF's in order to fetch useful information such as TOC, Summary, Title, Tables, Publisher name using **Python language**
- Incorporated Python libraries - **Selenium and BeautifulSoup** and formed a bot that automates the scrapping process at a fixed time. Hosted the bot on **AWS EC2** interface.

Projects

Social Media Platform \| *PL/SQL, Oracle SQL*   **Oct' 22 – Dec' 22**

- Developed a social media model similar to Instagram with functionalities of **SQL** like Sequence, Functions, Packages, Procedure, Triggers, Views, Exceptions.
- Created a live working model in MySQL Developer with the above features integrated.

Unified Payment Interface \| *Java, JDBC- Java API*   **Nov' 22 – Dec' 22**

- Created an interface using **Java Swing** consisting of enterprises like Travel, Entertainment, Utilities and Recharge.
- Users login into the application and can book movie , events, train and bus tickets. They can even pay their electricity, gas bills and perform mobile recharge.
- Application also provides a spending analytics wherein the user can see the transaction history in the form of pie chart.

Automated Dimension Measurement System \| *Python, Image Processing (OpenCV)*   **Sept' 20 – Nov' 20**

- Automated the task of manually measuring the dimensions(length, breadth and height) of warehouse boxes using **Image Processing** techniques. The system uses a single camera and a line laser module
- Utilized Laser triangulation method to measure height of the box and **edge detection algorithm** for measuring the length and breadth
- Published the paper on the same in IJEAT,Bhopal, 2021, ISSN:2249-8958

Waternet - A non-invasive flow-meter \| *Python , Google Colab*   **Sept' 19 – Nov' 19**

- Established a non-invasive flow-meter that helps in estimating the amount of water flowing through a pipe using mathematical and statistical model built in **Python**
- Filed a patent and authored a research paper on the same and it was accepted in ICTSGS, Shanghai and is under publication phase.