


ATUL CHAURASIA

Indore, India

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Education

Institute of Engineering and Technology, DAVV

Bachelor of Engineering in Information Technology (IT) - CGPA 8.0

Jun. 2020 – May 2023

Indore, Madhya Pradesh

Government Polytechnic College, RGPV

Diploma in Computer Science - CGPA 8.1

May. 2017 – Jun 2020

Nowgong, Madhya Pradesh

Experience

47Billion

Software Engineer

Jun 2023 – Present

Indore, Madhya Pradesh

- Mesh Auditor is a Web platform that simplifies the maintenance of loans held by private mortgage firms in the US. Mesh ensures the accuracy of loan data and compliance with the applicable regulations of the United States loan industry. The platform enhances efficiency and facilitates loan management for these firms.
- Implemented an Admin Panel for our project, Mesh Auditor that automates the creation of policies and targets for various regulations, significantly reducing manual effort and human error. This admin panel allows the admin to publish and unpublish regulations across different environments. By automating these processes, I achieved substantial time savings and enhanced overall efficiency.
- Optimized data retrieval from **AWS Athena** by implementing an in-memory caching solution using **Redis**. Initially, data is fetched from Athena and stored in Redis, enabling subsequent requests to retrieve data in 1-2 seconds, significantly reducing wait times and enhancing the user experience.
- Implemented **WebSockets** to establish persistent, bi-directional communication channels with clients, facilitating real-time data transfer. Integrated **Redis Pub/Sub** as the messaging backbone to distribute published data to subscribed channels efficiently.

47Billion

Software Engineer Intern

Jan 2023 – Jun 2023

Indore, Madhya Pradesh

- Leveraged Python programming language and libraries such as NumPy and Pandas to analyze and manipulate large datasets. Utilized Matplotlib for data visualization, creating informative charts and graphs that enhanced data presentation and communicated valuable insights effectively.
- Acquired proficiency in using **Git** for version control, enabling effective collaboration, code management, and project tracking.

Projects

DrumKit | *Html, Css, JavaScript*

- This webpage will produce sound when clicked on images of buttons irrespective of the instrument this feature is being implemented with the help of JavaScript.
- Styling of the website has been done with the help of HTML, CSS.
- Link - github.com/Atul-Chaurasia/drumkit

Student Management System | *HTML, CSS, JavaScript, PHP, Xampp Server*

- Led team of three to Implement a user-friendly web-based interface for efficient data entry.
- The Student Management System provides the access and management of information of different modules of a college like Students, Teachers/Faculty.

Technical Skills

Languages: C++, Python, Data Structures and Algorithms, HTML/CSS, JavaScript

Databases: Postgres, SQL

Developer Tools: VS Code, Pycharm, Postman, Jupyter Notebook, DBeaver

Technologies/Frameworks: FastAPI, Git, GitHub, Docker, Jira

Cloud Services: AWS Athena, AWS S3, AWS Cloudwatch, AWS Lambda

Coursework

- Data Structure, Object Oriented Programming, Database Management System, Operating System

Achievements / Extracurricular

- AWS Cloud Practitioner Essentials - coursera.org/share/a3ce2f96d1dc15da75a5bb76ac498fc5
- Solved 300+ problems on various coding platforms like GeeksForGeeks, Leetcode, and codingninjas.
- Participated in the 19th National Science Olympiad. Secured 48th rank in the city.