SHUDHANSHU CHAUBEY

New Delhi | 9628826891 | shudhanshuchaturvedi46@gmail.com
LinkedIn : https://www.linkedin.com/in/shudhanshu-chaubey-035a57227/

SUMMARY

A Computer Science graduate with foundational expertise in **Backend Development** . Proven experience in building scalable backend architectures, including a real-time video platform (**VidTube**) using **Node.js** and **Socket.io**. Seeking an **entry-level software engineering** role to apply strong problem-solving skills, **DSA** knowledge, and a passion for developing efficient, enterprise-grade software solutions.

TECHNICAL SKILLS

- **Languages:** C++, JavaScript , Python, SQL, HTML5, CSS3.
- **Backend & Frameworks:** Node.js, Express.js, RESTful APIs.
- **Databases:** MongoDB (Aggregation Pipelines, Indexing), SQL.
- **Tools & Technologies:** Socket.io (Real-time), JWT Authentication, Git/GitHub, QGIS.
- **Core Fundamentals:** Data Structures & Algorithms (DSA), Operating Systems, Oops

WORK EXPERIENCE

GIS Analyst | C.E. Info Systems Ltd. (MapmyIndia)   *Jan 2025 - Aug 2025*

- Utilized QGIS and spatial tools to analyze and manage complex mapping data for geospatial intelligence.
- Resolved location duplicacy by performing spatial data cleaning and topology checks, ensuring precise geolocation records.
- Collaborated on data verification tasks to maintain high accuracy for real-time mapping services, mirroring software QA and validation cycles.

TECHNICAL PROJECTS

VidTube – Video Hosting Backend System | GitHub Link   *Node.js, Express, MongoDB, Socket.io*

- Developed a scalable backend using Node.js and Express.js, implementing a robust MVC architecture for modularity.
- Built a real-time notification system with **Socket.io**, utilizing private rooms to deliver instant alerts for user interactions.
- Designed complex MongoDB schemas and utilized **Mongoose Aggregation Pipelines** to handle high-volume data relationships and analytics efficiently.
- Integrated **JWT authentication** and custom middleware to ensure secure user session management and data protection.

Weather Application | GitHub Link   *Django, Python, REST API*

- Created a responsive web application using Python and Django to fetch and display real-time global weather data.
- Implemented backend logic to handle API requests and integrated front-end components using HTML/CSS for seamless UX.

EDUCATION

Bachelor of Technology (CSE) | A.P.J. Abdul Kalam Technical University   *2020 - 2024*

Intermediate | Government Jubilee Inter College   *2018 - 2020*

ACHIEVEMENTS & CERTIFICATIONS

- **DSA Proficiency:** Solved 200+ problems on LeetCode and GeeksforGeeks, focusing on optimization and complexity.
- **Certification:** Python Training from **INFORITY IT SERVICES**.