SAMAGRA SINGH

Varanasi, Uttar Pradesh

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Summary

Aspiring Software Engineer specializing in MERN Stack development, Salesforce, scalable architectures, and backend performance optimization. Experienced in designing and deploying cloud-based solutions, optimizing REST APIs, and solving complex coding challenges with a problem-solving mindset.

Education

Chandigarh University   **2021 - 2025**
Bachelor of Engineering (CGPA: 7.76)   *Mohali, Punjab*

Vanita Public School   **2019 - 2020**
Intermediate (Percentage: 69)   *Varanasi, Uttar Pradesh*

Vanita Public School   **2017 - 2018**
High School (Percentage: 77.6)   *Varanasi, Uttar Pradesh*

Projects

IOT-Based Smart Traffic Management System | *Research Project*   **July-Dec 2024**
- Designed and implemented **IoT** devices for cars to collect and analyze surrounding traffic data.
- Integrated hardware and software for real-time data processing and visualization, enhancing road safety and congestion management.

E-Dastavez | *A website built for people to generate Legal Documents easily.*   **Sept-Oct 2023**
- Designed and developed an intuitive platform for generating legal documents and affidavits.
- Integrated **FIGMA**, **ReactJs**, **TailwindCSS**, and **API** to optimize user experience and document retrieval.

College Alumni Network | *MERN Stack*   **Jul-Dec 2022**
- Full-stack platform connecting students and alumni for networking and mentorship.
- Implemented **secure authentication** and **real-time messaging** to enhance alumni-student interactions. Optimized **REST APIs** and backend architecture for **scalability**, **performance**, and **user management**.
- Tech Stack: **MongoDB**, **Express.js**, **React.js**, **Node.js**, **JWT Authentication**, **TailwindCSS**, **Redux**

Technical Skills

Programming/Scripting Languages: C++, JAVA, Python, SQL, JavaScript, React.js
Technologies/Frameworks/Libraries: MERN Stack, REST APIs, System Design, Figma
Coluds & DevOps: AWS, Docker, Salesforce, CI/CD Pipelines, Git
Core CS Knowledge: OOP, DBMS, Computer Networks, Data Structures and Algorithms, Operating Systems, Cloud Infrastructure,
Interpersonal Skills: Quick Learner, Adaptable, Time-management, Design Thinking, Collaboration

Certificates & Achievements

Specialized Certification: AWS Cloud Solutions Architect (Coursera) 🔗	**Nov-Dec 2024**
Specialized Certification: Java as a Second Language (Coursera) 🔗	**May-June 2024**
Specialized Certification: IBM Full Stack Software Developer (Coursera) 🔗	**Jan-July 2024**
Specialized Certification: Google Data Analytics (Coursera) 🔗	**Jan-Jul 2024**
Awarded Elite Certificate: IoT (Internet of Things) by IIT Kharagpur (NPTEL) 🔗	**Jul-Dec 2023**
Solved 500+ coding problems across multiple platforms 🔗	