

Anshul Chauhan

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SUMMARY

CSE student with strong foundations in full-stack development, backend engineering, and DSA. Skilled in Node.js, Express, MongoDB, React, Java, and real-time systems (Socket.IO). Passionate about building scalable, secure, clean software with strong interest in system design and modern engineering practices.

SKILLS

Languages	Java, JavaScript (ES6+)
Web / Backend	Node.js, Express.js, REST APIs, EJS
Frontend	React.js (Hooks), Responsive UI
Databases	MongoDB, SQL
Core CS	DSA, OOP, OS, Networking
Tools	Git, GitHub, Firebase, Postman, AWS (Basics)

PROJECTS

CollabSpace – Real-Time Collaboration Platform

- Built a Node.js + Express platform with real-time chat, typing status, and presence using Socket.IO.
- Added JWT authentication, bcrypt hashing, RBAC roles, and secure route protection.
- Designed modular backend APIs and optimized routing logic for scalability.
- Improved real-time reliability by minimizing redundant socket broadcasts.

Institute Management System

- Developed student/faculty dashboards using Node.js, MongoDB, and EJS templates.
- Integrated Firebase notifications for academic updates and announcements.
- Implemented validated CRUD flows for academic and user data.

Smart Mining Helmet (IoT)

- Built an ESP32-based helmet detecting methane/gas and temperature levels.
- Added instant alert system for hazardous conditions.

ACHIEVEMENTS

CGPA: 9.0	Strong academic performance in B.Tech CSE.
Top 10% (ICSE)	Secured 94% in Class X.
DSA Certification	Completed advanced coursework in DSA and full-stack development.
Hackathons	Participated in university-level coding and development challenges.

EDUCATION

2023–Present	Chitkara University , Punjab — B.E. CSE (CGPA 9.0) Coursework: DSA, OOP, OS, CN, DBMS
2023	GMSSS , Chandigarh — Class XII (80%)
2021	Little Flower Convent , Panchkula — Class X (94%)