

Shubham Raj Sharma

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Summary

Computer Science undergraduate and Software Development Engineer with strong foundations in Java, SQL, and backend engineering. Experienced in designing RESTful APIs, implementing authentication, and building database-driven backend systems using Java and Node.js. Applied backend engineering concepts across real-world projects deployed in production environments.

Education

Vellore Institute of Technology - Bhopal, B. Tech in Computer Science and Engineering 2022 – 2026
• CGPA: 8.01/10.0

Holy Mission High School - CBSE, 12th Standard Apr 2021 – Mar 2022
• Percentage: 82.8%

Skills

- **Programming Languages:** Java, Python, SQL, JavaScript
- **Web & Backend Technologies:** Node.js, Express.js, RESTful APIs, MongoDB, MySQL
- **Core CS Concepts:** Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), Database Design.
- **Tools & Platforms:** Git, Postman, AWS, Render, XAMPP

Experience

Trainee – Unstop Oct 2024 – Jan 2025

- Built backend-driven applications using Java, SQL, and the MERN stack, focusing on API development, authentication, and database integration.
- Tested, debugged, and validated 20+ backend RESTful APIs using Postman and Git to ensure correct integration and deployment readiness.

Projects

Geo-Attendance System GitHub - 2025

- Implemented a geolocation-based attendance system featuring adaptive radius control and time-slot validation for multiple user roles.
- Deployed on Render and Google Cloud, tested by 120+ users, achieving sub-50ms latency for geofence validation.
- Secured 90%+ routes using JWT-based authentication; developed using Node.js, Express, and MongoDB.

MyLoanCredit.com – Loan Application Platform GitHub - 2025

- Designed a loan service platform used by real users, supporting end-to-end backend workflows.
- Integrated RESTful backend APIs and admin approval flows with well-defined database schemas.
- Managed cloud hosting, domain, and SSL (HTTPS) configuration for secure deployment.

Hostel RoomMate Sync GitHub - 2025

- Designed and implemented a roommate and room allocation system for 1,000+ students, automating hostel workflows and reducing manual effort by 90%.
- Enforced JWT-based authentication and role-based access control, reducing unauthorized access by 80%.
- Managed 1,500++ records using MongoDB with optimized queries and indexing.

Student Marks Management System GitHub - 2024

- Developed a role-based student marks management system with secure authentication, CRUD operations, and structured database design using Java, SQL, and backend APIs.

Certifications

- **MongoDB Associate Database Administrator** – MongoDB University
- **Blockchain Fundamentals and Developer** – IBM SkillsBuild / Cognitive Class

Extracurricular Activities

- Ranked 1571st in Unstop Weekly Coding Challenge 17.
- Participated in Flipkart GRID 6.0.
- Cleared Round 1 of TATA Crucible Campus Quiz 2024.