

Shubham Raj Sharma

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Summary

Driven Computer Science student proficient in Java and backend software development, with practical experience in scalable application design and API development. Skilled in full stack web technologies, database management, and optimizing application performance through hands-on projects and training.

Education

Vellore Institute of Technology - Bhopal, B. Tech in Computer Science and Engineering

2022 – 2026

- CGPA: 7.97/10.0

Skills

- Programming Languages:** Python, Java, SQL, JavaScript
- Web & Backend Technologies:** Node.js, Express.js, HTML, CSS, Bootstrap, Postman, XAMPP, AWS, MongoDB, MySQL

Experience

Trainee – Unstop

Oct 2024 – Jan 2025

- Completed 12-week certified training covering Java, DSA, SQL, and full-stack MERN technologies.
- Designed and deployed 3+ real-world applications, including log-in portals and analytics dashboards.
- Led testing of 20+ back-end endpoints using Git and Postman, ensuring consistent team integration.

Projects

Geo-Attendance System

GitHub - 2025

- Engineered a geolocation-based attendance system featuring adaptive radius control and time-slot validation for multiple user roles.
- Launched on Render and Google Cloud, tested by 120+ users; maintained sub-50ms latency for real-time geofence checks.
- Utilized Node.js, Express, MongoDB, HTML/CSS/JavaScript for full-stack delivery; secured over 90% of user routes with JWT.

Library Management System

GitHub - 2025

- Developed a Java and SQL-driven system for effective management of book inventories and user profiles.
- Executed CRUD functionalities with backend database integration to sustain real-time tracking of inventory and user activities.
- Streamlined book borrowing, return processing, and inventory updates to optimize library workflows.

Hostel RoomMate Sync

GitHub - 2025

- Crafted an innovative roommate and room management platform for 1,000+ students, incorporating Excel-based onboarding and automated matching, cutting manual workload by 90%.
- Enforced JWT authentication and role-based permissions, decreasing unauthorized access incidents by 80%.
- Built with Node.js, Express, MongoDB, JWT, HTML, CSS, and JavaScript; administered over 1,500 data records efficiently.

Student Marks Management System

GitHub - 2024

- Created a web-based dashboard to showcase 100+ student marks with dynamic filters by name, registration number, course, time slot, and faculty.
- Integrated JWT-secured role-specific views; enhanced data access controls and minimized error occurrences.
- Implemented using Node.js, MongoDB, and responsive UI components delivering sub-300ms real-time data retrieval.

PhysicsCentre.in

GitHub - 2023

- Designed and launched a responsive coaching website featuring 10+ functional sections; achieved load times under 2.5 seconds.
- Incorporated Google Drive API for automated resource sharing; reduced manual workload by over 10 hours per week.
- Developed with HTML, CSS, JavaScript, and Bootstrap; doubled page load speed and attracted 150+ monthly visitors.

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.