

# Shubham Raj Sharma

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## Education

**Vellore Institute of Technology - Bhopal**, B. Tech in Computer Science and Engineering 2022 – 2026

- CGPA: 7.95/10.0

## Skills

- Programming Languages:** Java, SQL, JavaScript
- Web & Backend Technologies:** Node.js, Express.js, HTML, CSS, Bootstrap, Postman, XAMPP, AWS
- Databases:** 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.
- Gained hands-on experience in front-end development with HTML, CSS, JS, and back-end using Node.js and Express.

## Projects

**Geo-Attendance System** GitHub - 2025

- Engineered a geolocation-based attendance system with adaptive radius control and time-slot validation for 2+ user roles.
- Deployed to Render and Google Cloud, tested with 120+ users; achieved sub-50ms latency in real-time geofence checks.
- Utilized Node.js, Express, MongoDB, HTML/CSS/JS for full-stack implementation; secured 90%+ user routes with JWT.

**Hostel RoomMate Sync** GitHub - 2025

- Implemented an innovative platform for roommate allocation and room management for 1,000+ students, Excel-based onboarding, and automated roommate pairing cutting manual workload by 90%.
- Implemented JWT authentication and role-based access, reducing unauthorized access incidents by 80%
- Built using Node.js, Express, MongoDB, JWT, HTML, CSS, and JS; handled 1,500+ data records.

**Student Marks Management System** GitHub - 2024

- Engineered a web-based dashboard for student marks to display student marks from 100+ entries using filters like name, reg. number, course, slot, and faculty.
- Integrated JWT-based authentication with role-specific views; improved data access control and reduced error reports.
- Built using Node.js, MongoDB, and responsive UI components for real-time data retrieval with <300ms response time.

**Hostel Onboarding Display** GitHub - 2024

- Developed a streamlined, digital onboarding and display system for hostel residents, automating the display of key information for new arrivals and current occupants.
- Enabled real-time display of occupant lists or notices on a web dashboard, allowing hostel administration and students to access up-to-date information easily from any device
- Built leveraging core web technologies such as HTML, CSS, JavaScript, Node.js and Google Sheets for backend processing.

**PhysicsCentre.in** GitHub - 2023

- Conceptualized and launched a responsive coaching website with 10+ functional sections; delivered under 2.5s load time.
- Integrated Google Drive API for automated document sharing; reduced manual work by 10+ hours weekly.
- Built with HTML, CSS, JavaScript, and Bootstrap; resulting in 2x faster page loads and 150+ monthly visitors.

## Certifications

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

## Extracurricular Activities

- Won a state-level karate championship (2018).
- Ranked 1571st in Unstop Weekly Coding Challenge 17.
- Participated in Flipkart GRID 6.0.