

VANSHIKA SHARMA

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Summary

MCA Student with a strong foundation in data structures, object-oriented programming, and backend development. Hands-on experience designing and building scalable backend systems and RESTful APIs using Node.js and MongoDB. Motivated to solve real-world problems through clean, efficient, and maintainable code.

Education

Vellore Institute of Technology, Bhopal <i>Master of Computer Applications (MCA)</i>	2024 – 2026 CGPA: 9.33
Shri Jain Girls College, Bikaner <i>Bachelor of Computer Applications (BCA)</i>	2021 – 2024 Percentage: 86.55%
Shri Jain Public School, CBSE Class XII (Senior Secondary)	2021 84.6%
Shri Jain Public School, CBSE Class X (Secondary)	2019 77.8%

Technical Skills

Programming Languages: Java, JavaScript, Python, C++

Backend & API Development: Node.js, Express.js, RESTful APIs

Databases: MongoDB, MySQL, SQL

Developer Tools: Git, GitHub, Postman, MongoDB Compass

Frontend (Working Knowledge): HTML, CSS, React.js, Bootstrap, Tailwind CSS

Core Computer Science: Object-Oriented Programming, DBMS, Operating Systems, Computer Networks

Projects

Mayuri Canteen – Online Food Ordering System	MERN Stack
<ul style="list-style-type: none">– Designed and developed a scalable backend system for online food ordering and order tracking.– Implemented RESTful APIs for authentication, order lifecycle management, and real-time status updates.– Designed optimized MongoDB schemas with indexing to handle 20+ concurrent orders efficiently.– Applied middleware-based validation and centralized error handling to improve API reliability.	
Library Management System	PHP, MySQL
<ul style="list-style-type: none">– Built a backend-driven library management system automating inventory and transaction workflows.– Designed normalized relational schemas ensuring data consistency and reduced redundancy.– Implemented secure CRUD operations with role-based access control and input validation.– Reduced manual errors by 95% and improved system efficiency by 40%.	
Gmail Priority Pinner – Chrome Extension	JavaScript
<ul style="list-style-type: none">– Developed a Chrome extension to persistently pin and highlight important Gmail emails.– Used Chrome Storage API for state persistence across browser sessions.– Improved productivity by reducing email search time by 5–10 minutes per day.	

Certifications

- 100 Days of Code: Python Programming** – Udemy
- The Complete Web Development Bootcamp** – Udemy

Soft Skills

- Strong problem-solving ability
- Clear technical communication
- Team collaboration
- Time management
- Continuous learning mindset

Languages

- English (Professional Proficiency)
- Hindi (Native)