

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

- 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

- 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

- 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)