VANSHIKA SHARMA

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Summary

Backend-focused MCA student with hands-on experience in Node.js, Express.js, MongoDB, and RESTful API development. Strong in database design, backend logic, and building scalable full-stack applications.

Education

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

Technical Skills

Programming Languages: Java, Python, JavaScript, C++
Backend & API Development: Node.js, Express.js, RESTful APIs
Frontend Technologies: HTML, CSS, React.js, Bootstrap, Tailwind CSS
Databases: MongoDB, MySQL, SQL
Data Libraries: NumPy, Pandas, Matplotlib
Developer Tools: Git, GitHub, Postman, MongoDB Compass
Core Computer Science: Operating Systems, Computer Networks, DBMS

Projects

Mayuri Canteen – Online Food Ordering System *Node.js, Express.js, MongoDB, React*

- Designed and developed a full-stack online food ordering system to reduce manual queuing and improve operational efficiency.
- Implemented RESTful APIs for authentication, order placement, tracking, and real-time status updates.
- Designed scalable MongoDB schemas ensuring data consistency during peak usage.
- Handled 20+ concurrent orders, significantly reducing average waiting time.
- Used modular backend architecture and middleware validation for maintainable and reliable APIs.

Library Management System *PHP, MySQL*

- Digitised library operations including book inventory, issue, and return workflows.
- Designed a normalised MySQL database schema to reduce redundancy and improve accuracy.
- Implemented role-based access control with secure CRUD operations.
- Reduced manual errors by approximately 95% and improved turnaround time by 40%.

Gmail Priority Pinner – Chrome Extension *JavaScript, Chrome Storage API*

- Developed a Chrome extension to persistently pin important Gmail emails.
- Implemented Chrome Storage API to maintain data across browser sessions.
- Improved email organisation and reduced search time by 5–10 minutes per day.

Soft Skills

Leadership and team coordination

Clear communication and presentation

Analytical problem-solving

Time management and prioritisation

Cross-functional collaboration

Certifications

100 Days of Code: Python Programming – Udemy

The Complete Web Development Bootcamp – Udemy

Languages

English (Professional Proficiency)

Hindi (Native Proficiency)