VANSHIKA SHARMA

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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)	**84.6%**
Shri Jain Public School, CBSE	**2019**
Class X (Secondary)	**77.8%**

Technical Skills

Backend & API Development: Node.js, Express.js, RESTful APIs
Databases: MongoDB, MySQL, SQL, Schema Design, Indexing, Query Optimisation
Programming Languages: Java, JavaScript, Python, C++
Developer Tools: Git, GitHub, Postman, MongoDB Compass
Core Computer Science: Data Structures, Object-Oriented Programming, DBMS, Operating Systems, Computer Networks

Data Structures & Problem Solving

Actively improving problem-solving skills through consistent coding practice and backend-focused challenges.

Projects

Mayuri Canteen – Online Food Ordering System   *Node.js, Express.js, MongoDB*
  – Designed and developed a backend-centric online food ordering system handling authentication, orders, and transactions.
  – Implemented RESTful APIs for order lifecycle management, real-time status updates, and secure user operations.
  – Designed scalable MongoDB schemas with indexing to support 20+ concurrent orders during peak hours.
  – Applied middleware-based validation, centralized error handling, and modular backend architecture.
  – Designed APIs with scalability and future feature expansion (payments, analytics) in mind.

Library Management System   *PHP, MySQL*
  – Built a backend-driven system automating library inventory, issue, and return workflows.
  – Designed normalized relational schemas ensuring data integrity and reduced redundancy.
  – Implemented role-based access control and secure CRUD operations.
  – Ensured transactional consistency during issue/return operations through backend validation.
  – Reduced manual data errors by 95% and improved operational efficiency by 40%.

Gmail Priority Pinner – Chrome Extension   *JavaScript, Chrome Storage API*
  – Developed a lightweight productivity extension to persistently pin important Gmail emails.
  – Implemented structured client-side storage using Chrome Storage API.
  – Focused on performance optimization, minimal permissions, and reliability.

Professional Development

Actively strengthening backend engineering skills through hands-on projects and structured problem-solving practice.

Focused on writing clean, maintainable code and understanding real-world backend system behaviour.

Soft Skills

Analytical problem-solving

Backend system thinking

Clear technical communication

Time management and ownership

Team collaboration

Certifications

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

Languages

English (Professional Proficiency)

Hindi (Native)