Vishal Patel

Jaunpur, Uttar Pradesh

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PROFESSIONAL SUMMARY

Final-year **Computer Science student** with experience in **software development lifecycle (SDLC)**, **full-stack web development**, and **API integration**.

Internship at Banaras Locomotive Works: built a MERN-based Inventory Management System.

Strong foundation in **Data Structures & Algorithms** (800+ problems solved), with skills in **problem-solving, debugging, and unit testing**.

Seeking a **Software Engineer / Full-Stack Developer role** to work in **Agile/Scrum teams**, build scalable **cloud-based applications**, and contribute to innovative products.

EDUCATION

Madan Mohan Malaviya University of Technology, Gorakhpur   2022 – 2026
B.Tech in Computer Science and Engineering   —   **CGPA: 8.35/10**   *Gorakhpur, India*

INTERNSHIP

Banaras Locomotive Works (BLW)   Jun 2025 – Aug 2025
Software and CNC Programming Intern   *Varanasi, India*
- Developed a MERN-stack **Inventory Management System**, reducing manual work by 30%.
- Worked on locomotive software systems and CNC programming workflows, gaining exposure to **industrial automation** and **real-time systems**.

PROJECTS

StudyNotion – Ed-Tech Platform [Live Demo]   Sept 2024

- Developed a full-stack Ed-Tech platform enabling students to access and enroll in courses.
- Implemented authentication (JWT, bcrypt), secure **REST APIs**, and payment gateway.
- Deployed on **Vercel (Cloud)** with responsive UI using React.js and Tailwind CSS.
- **Tech Stack: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, JWT, bcrypt, Vercel**

Inventory Management System – Internship Project [Live Demo]   Jun 2025 – Aug 2025

- Designed and deployed an Inventory Management System for locomotive spare parts.
- Created optimized MongoDB schemas for structured data modeling and efficient querying.
- Implemented microservice-based APIs using Node.js and Express.js, deployed on **Render (Cloud)**.
- **Tech Stack: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, JWT, bcrypt, Vercel**

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, C, Java (Familiar)
- **Web Development:** HTML, CSS, JavaScript, React.js, Node.js, Express.js, Tailwind CSS
- **Databases:** MongoDB, MySQL
- **Core CS:** Data Structures(DSA) & Algorithms, DBMS, Operating Systems(OS), Computer Networks(CN), OOPS
- **Tools & Platforms:** VS Code, Git, GitHub, REST APIs, Postman, Vercel, Render

CERTIFICATIONS

- Full Stack MERN Developer – CodeHelp   **Aug 2024**
- Introduction to Machine Learning – NPTEL, IIT Madras (Top 2% Elite+Silver)   **Apr 2025**
- Summer Internship Certificate – BLW, Varanasi   **Aug 2025**

ACHIEVEMENTS

- Solved **800+ Data Structures & Algorithms problems** across LeetCode, GFG, and Codeforces.
- Ranked in the **Top 2%** in NPTEL Machine Learning course (IIT Madras).
- Achieved **CodeChef 2* rating** through consistent participation in competitive programming contests.

LANGUAGES

- English
- Hindi