VISHAL PATEL

Jaunpur, Uttar Pradesh

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EDUCATION

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

Baderi Inter College Mariyahu Jaunpur (UP BOARD)   **2021**
Class XII (Science) — ***Percentage: 75.2%***   *Jaunpur, India*

TECHNICAL SKILLS

- **Languages:** C, C++, Java, Python, JavaScript
- **Web Development:** React.js, Redux, Express.js, Node.js, HTML, CSS, Tailwind CSS
- **Software Engineering:** Data Structures, Algorithms, Database Management Systems, Computer Networks, Operating Systems, OOP Concepts
- **Tools and Methodologies:** Agile Methodologies, RESTful APIs
- **Databases:** MongoDB, MySQL

INTERNSHIP

Banaras Locomotive Works (BLW)   **June 2025 – August 2025**
Software and CNC Programming Intern   *Varanasi, India*

- Developed a full-stack **Inventory Management System** using MERN, spare-parts tracking and reduced workload by **30%**.
- Enhanced **CNC programming workflows** in **industrial automation**, improving code execution efficiency and maintenance time by **15%**.

PROJECTS

StudyNotion – EdTech Platform   [Live Demo]   [GitHub]   **September 2024**

- Championed the launch of a flexible educational platform supporting user-generated content, resulting in over 15 unique content submissions within the first quarter.
- Refined backend performance with Node.js and MongoDB, reducing server response times by 40% and enhancing platform reliability for a significant number of active users.
- Integrated Cloudinary for media management, decreasing media load times by 30% and improving overall user engagement by 20%.
- **Tech Stack: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, JWT, bcrypt, payment integration.**

Inventory Management System – Internship Project   [Live Demo]   [GitHub]   **June 2025 – August 2025**

- Architected and deployed a robust Inventory Management System for locomotive spare parts and maintenance workflows.
- Designed MongoDB schemas for high-performance data modeling, enabling fast and efficient querying at scale.
- **Tech Stack: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, JWT, bcrypt, Vercel.**

CERTIFICATIONS

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

ACHIEVEMENTS

- Solved **1000+ Data Structures & Algorithms problems** across LeetCode (700+), GfG (300+), Codeforces (200+) and Codechef (300+) and Top 22% on LeetCode.
- 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