Vipul Kumar Patel

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Objective

Computer Science student skilled in MERN stack, system design, and scalable backend development. Solved 800+ LeetCode problems and earned 5-star badges in Python, C++, and Problem Solving on HackerRank. Seeking a backend/full-stack role to contribute to high-impact engineering teams and build production-grade systems.

Education

Bachelor of Technology in Computer Science and Engineering	Expected Graduation: 2026
Pranveer Singh Institute of Technology — Kanpur, India	*75.8%*
Diploma in Electronics Engineering	2018 – 2021
Government Polytechnic Mirzapur, Mirzapur	*83.4%*
High School	2016 – 2017
Prabhu Narayan Government Inter College, Ram Nagar, Varanasi	*76.6%*

Experience

Jr Engineer (Quality), VVDN Technologies Pvt. Ltd — IMT Manesar, Product Assembly   Oct 2022 – Oct 2023

Completed documentation and assessed the quality of production instruments. Inspected assembly procedures for compliance with quality standards and led a quality team to resolve issues. Reported quality concerns to senior management and collaborated on effective solutions while overseeing the production line to ensure operational efficiency and maintain quality control.

Projects

Portfolio Website   GitHub Repo

- Developed a fully responsive personal portfolio website using Next.js and Tailwind CSS to showcase projects, skills, and certifications.
- Integrated dynamic JSON-based content loading and deployed with CI/CD using GitHub Actions and Vercel for automated real-time updates.
- **Tools Used**: Next.js, TypeScript, Tailwind.css, Git, GitHub, Vercel

Face Detection Attendance System   GitHub Repo

- Built a real-time face recognition system using ArcFace and OpenCV for automated attendance logging.
- Built secure API logging and React UI for live attendance tracking.
- **Tools Used**: Python, OpenCV, InsightFace (ArcFace), React.js, MongoDB, JavaScript (ES6+), Axios

To-Do List App   GitHub Repo

- Engineered a secure full-stack task manager with JWT authentication, CRUD APIs, and animated UI transitions using Framer Motion.
- **Tools Used**: MongoDB, Express.js, React.js, Node.js, Mongoose, Framer Motion, Axios, Tailwind.css, GitHub

Technologies

Languages: C, C++, Python, Java (Basics), JavaScript (ES6+), TypeScript, SQL
Frontend: React.js, Tailwind CSS, Framer Motion, HTML5, CSS3
Backend & API: Node.js, Express.js, MongoDB (Mongoose), RESTful APIs, JWT, Axios
AI / Computer Vision: OpenCV, InsightFace (ArcFace), PyTorch (Basics)
Developer Tools: VS Code, Git, GitHub Actions, CI/CD, Postman, Jupyter Notebook, Vercel

Relevant Coursework

Data Structures & Algorithms	Database Systems	Operating Systems
OOP (C++)	Web & Full-Stack (MERN)	Computer Networks

Achievements & Certifications

- Solved **800+ problems on LeetCode** and earned **13 badges** in core topics.
- Achieved **5-Star badges in Python, C++, and Problem Solving** on HackerRank.
- Certified in **Machine Learning**, **Modern C++**, and **Computer Networks** from **NPTEL**.
- Completed certifications in **HTML5, CSS3, JavaScript, Python**, and **DBMS** from **Infosys Springboard**.