Vishal Patel

Varanasi, Uttar-Pradesh | vp312600@gmail.com | +91-8840206492

github.com/Vp3126 | linkedin.com/in/vishal-patel26/| leetcode.com/Vishal_patel26/

Technical Skills

Languages: C++, Python, Java, SQL, C, HTML, CSS, JavaScript, Kotlin

Web & Frameworks: React.js, Next.js, Streamlit, Flask, TailwindCSS,

Tools: Git, GitHub, Jupyter Notebook, VS Code, Figma, AWS EC2, S3, IAM, Google Analytics

Database & Storage: MySQL, MongoDB, AWS S3

Concepts: Object-Oriented Programming (OOP), REST APIs, MVC Architecture, SDLC, Machine Learning Algorithms (e.g., Linear Regression, Decision Trees, KNN, SVM)

Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Plotly

Education

Lovely Professional University B. Tech in Computer Science and Engineering, CGPA: 6.5

Sant Atulanand Resedential Academy High School (PCM), Percentage: 6.7

Seth M.R Jaipuria Babatpur Varanasi Matriculation, Percentage: 89.8

Projects

Smart Waste Classification System *(Python, Machine Learning, Computer Vision)* **[GitHub]**

• Developed an intelligent waste identification system using image-based classification to categorize waste into recyclable and non-recyclable classes.
• Implemented a Linear Regression–based ML pipeline with image preprocessing, boosting waste-sorting accuracy and automation.
• Integrated a scalable prediction workflow enabling users to upload images and receive instant waste category suggestions, improving sorting efficiency by 35%.

Lsiaa – Tourist Booking Platform *(React, Node.js, Express, MongoDB, Razorpay, Ant Design)* **[GitHub]**

- Developed a comprehensive booking dashboard with real-time tracking and automated notifications, increasing booking conversion rates by 40% through seamless payment integration and instant confirmation
- Built a responsive admin analytics dashboard with revenue tracking, booking trends, and customer demographics, reducing administrative workload by **50%** through automated reporting and data visualization.
- Delivered a full-stack platform with secure payment processing **(Razorpay)**, automated PDF receipts, multi-channel notifications **(Email/SMS/WhatsApp)**, and dynamic pricing with coupon system, enhancing user experience and operational efficiency.

EduConnect Punjab – Nabha *(Smart India Hackathon PS-19)* **[GitHub]**

• Designed a digital education connectivity platform to address learning gaps in rural schools of Nabha District, Punjab.
• Implemented centralized access to study resources, attendance, and teacher–student communication to improve engagement.
• Enabled district-level monitoring for authorities to track performance, dropout risk, and infrastructure needs.

Air-Index Analysis *(Streamlit, Python, Machine Learning, Pandas)* **[GitHub]**

- Developed a real-time dashboard to **monitor and forecast AQI** using ML models like Random Forest and Prophet.
- Implemented **advanced analytics** (correlation, anomaly detection, seasonal trends) for deeper environmental insights.
- Enabled **health risk assessment and real-time alerts**, supporting public safety through interactive visualizations and reports.

Awards & Certifications

Build-a-thon (LPU) – *3rd Position*	Mar 2025
Web-A-Thon (LPU x AIREV) – *Top 12 out of 180+ teams*	Oct 2024
Coursera: Networking	Dec 2024
GitHub Club (LPU)	Aug 2024
Cloud Computing – NPTEL (69%)	Mar 2024