

Priyanshu Bidhuri

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PROFILE

Detail-oriented Full-Stack Developer with strong foundation in C++, modern JavaScript frameworks (React.js, Node.js). Proficient in building scalable web applications using MERN stack, integrating machine learning models.

EDUCATION

VIT-Bhopal University <i>B.Tech in Computer Science and Engineering</i>	August 2023 – Present CGPA: 8.5/10
Sai International Public School, Bijnor <i>Class XII (CBSE)</i>	2023 86%

TECHNICAL SKILLS

Programming: C++, Python, JavaScript, HTML5/CSS3, Tailwind CSS, React.js/Redux, Node.js/Express.js, Flask, REST APIs, MongoDB/postgreSQL

Tools: Git/GitHub, Docker, Postman, AWS

Concepts: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Machine Learning

CERTIFICATIONS

- MERN Stack Development, Udemy (2025)
- Operating Systems, Coursera (2024)
- Machine Learning with Google Colab, SmartBridge (2025)

PROJECTS

Transport Scheduling System <i>Full-stack Web Application (MERN Stack)</i>	October 2024
<ul style="list-style-type: none">– Built MERN stack application with real-time vehicle tracking using Google Maps API and automated scheduling algorithms– Implemented JWT authentication and role-based access control with Node.js backend serving RESTful APIs– Developed React frontend with Redux and Tailwind CSS, deployed on Render with CI/CD pipeline– Improved dispatch efficiency by 35% and reduced manual errors by 20% through system automation	
Route Rationalization Model <i>Machine Learning System for Traffic Management</i>	January 2025
<ul style="list-style-type: none">– Trained K-Means clustering model (Python/Scikit-learn) achieving 92% accuracy on traffic pattern analysis– Processed 10,000+ daily data points from municipal sources using Pandas/NumPy data pipeline– Developed Flask API that reduced processing time from 15 minutes to 45 seconds– Achieved 15% route efficiency improvement and 12% fuel cost reduction in pilot deployment	

EXPERIENCE

Machine Learning Extern <i>SmartBridge</i>	Summer 2025 Remote
<ul style="list-style-type: none">– Developed and deployed ML models (neural networks, decision trees) achieving 85%+ accuracy using Python and Google Colab– Implemented complete ML pipelines from data processing to deployment with NumPy, Pandas, and Scikit-learn– Collaborated on team projects to solve real-world problems using TensorFlow and machine learning techniques	

ACHIEVEMENTS

- Top 20 Finalist - Microsoft CodeForge Hackathon 2025
- 250+ DSA problems solved on LeetCode

EXTRACURRICULAR

Technical Member <i>GeekforGeeks Student Chapter</i>	2023–Present
<ul style="list-style-type: none">– Organized coding workshops for 50+ students– Conducted peer learning sessions on DSA and Web Dev	