

Priyanshu Bidhuri

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SUMMARY

- Aspiring Full-Stack Developer with strong problem-solving skills in C++ and Python. Experienced in building end-to-end MERN stack applications and integrating ML models for intelligent automation. Eager to contribute to scalable, real-world projects that merge AI and full-stack technologies.

TECHNICAL SKILLS

- Programming Languages:** C++, Python, JavaScript, HTML5/CSS3
- Frontend Development:** React.js, Redux, Tailwind CSS
- Backend Development:** Node.js, Express.js, Flask, RESTful APIs
- Databases:** MongoDB, PostgreSQL
- Tools & Platforms:** Git, GitHub, Docker, Postman, AWS
- Core Concepts:** Data Structures & Algorithms, OOP, DBMS, Operating Systems, Machine Learning

EDUCATION

- VIT-Bhopal University** Bhopal, Madhya Pradesh
Bachelor of Technology - Computer Science and Engineering (CGPA: 8.6/10) Aug 2023 – Present
- Sai International Public School, Bijnor** Bijnor, Uttar Pradesh
Class XII (CBSE) - 86% 2023

PROFESSIONAL EXPERIENCE

- Machine Learning Extern** Remote
SmartBridge Summer 2025
 - Hands-on ML Training:** Implemented regression, decision trees, and neural networks using Google Colab.
 - Model Optimization:** Developed predictive models achieving 85%+ accuracy on multiple datasets.
 - Team Collaboration:** Worked in collaborative environment on end-to-end ML pipelines and deployments.

TECHNICAL PROJECTS

- FarmStackAI – AI-Powered Agricultural Platform** MERN, Flask, Machine Learning
Full-Stack AI Integration Project Feb 2025
 - Secure Full-Stack Development:** Built MERN web application with JWT/Bcrypt authentication and community forum for farmers.
 - ML Model Design:** Developed and deployed ensemble ML model (Flask, Scikit-learn, Pandas, NumPy) to recommend crops based on soil & environmental data.
 - Integration & Scalability:** Integrated ML API with backend to serve 1,000+ user inputs in real-time.
 - Impact:** Enhanced farming decisions through data-driven insights, reducing trial-and-error and promoting sustainability.
- Transport Scheduling System** MERN Stack — Render Cloud Deployment
Full-Stack Web Application Oct 2024
 - Real-Time Management:** Built transport management system with Google Maps API and dynamic route optimization.
 - Secure Authentication:** Implemented JWT-based role system for Admin, Driver, and User roles.
 - Frontend Architecture:** Developed React + Redux frontend with responsive Tailwind CSS design.
 - Cloud Deployment:** Deployed on Render with CI/CD, improving efficiency by 35%.
- Route Rationalization Model** Machine Learning System
Python, Scikit-learn, Flask API Jan 2025
 - Traffic Clustering:** Used K-Means on 10K+ daily traffic data points for route optimization.
 - Pipeline Efficiency:** Reduced data processing from 15 mins to 45 seconds using multiprocessing.
 - Integration:** Deployed model API to traffic dashboard with 92% prediction accuracy.

CERTIFICATIONS

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

ACHIEVEMENTS

- Top 10 Finalist – Microsoft CodeForge Hackathon 2025
- Solved 200+ DSA problems on LeetCode

EXTRACURRICULAR ACTIVITIES

- Technical Member** VIT Bhopal
GeekforGeeks Student Chapter 2023 – Present
 - Organized coding workshops for 50+ students and conducted DSA sessions.