

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

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|--|------------------------|
| 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

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| 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

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|---|--------------------------------------|
| 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

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