Priyanshu Bidhuri

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PROFILE

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

EDUCATION

VIT-Bhopal University, Sehore ,Madhya Pradesh — *CGPA : 8.5/10*

Bachelor of Technology in Computer Science and Engineering — *August 2023-Present*

SKILLS

Technical Skills: C++, Python, Java, HTML5, CSS3, Tailwind CSS

Frontend: JavaScript, React.js, Redux Toolkit

Backend & Database: Node.js, Express.js, Flask , MongoDB, SQL

Core Concepts & Tools: DSA, OOP, DBMS, OS, Machine Learning, Git, GitHub,Postman,Docker.

CERTIFICATIONS

- MERN Stack Development, Udemy (Hitesh Choudhary), 2025.
- Operating Systems and Systems Programming, Cursa (John Kubiatowicz), 2024.(Link)
- The The Bits and Bytes of Computer Networking, Coursera, 2024.(Link).
- Programming in Java Vityarthi, VIT Bhopal University,2025.(Link)
- Fundamental of AI and ML Vityarthi, VIT Bhopal University,2023.(Link)

INTERNSHIP EXPERIENCE

AI Intern

Edunet Foundation (in collaboration with AICTE & Microsoft),Remote April 2025 – Present

- Gained hands-on experience in Cloud tools, Neural Networks, Deep Learning, and Generative AI using Microsoft Azure.
- Followed structured learning via Microsoft Learn; working towards a capstone project with real-world AI applications.

PROJECTS

Transport Scheduling System (MERN Stack) (10/2024)(Link)

- Engineered a full-stack transport scheduling application with real-time tracking and Google Maps API integration.
- Developed secure Node.js backend with JWT authentication and RESTful APIs, paired with a responsive React frontend
- Deployed on Render, reducing scheduling errors by 20% and improving user experience for transport management.

Route Rationalization Model Using Machine Learning for Real-Time Traffic Management (1/2025)(Link)

- Designed a machine learning model using K-Means clustering to optimize public transport routes based on real-time.
- Processed bus route datasets with Python and Scikit-learn, achieving a 15% improvement in route efficiency.
- Delivered actionable insights for route optimization by analyzing passenger demand and location data.

ACHIEVEMENTS

- **Top 20 Finalist** – Microsoft DoraHack, CodeForge Hackathon 2025, Microsoft Office, Gurgaon (Link)
- Solved 200+ Data Structures & Algorithms problems on LeetCode (Link)

EXTRACURRICULAR ACTIVITIES

- Technical Member**, GeeksforGeeks(GFG)Student Chapter, VIT Bhopal**
  - Organized coding sessions, workshops, and technical events to promote a programming culture on campus.
  - Facilitated peer learning for 50+ students in Data Structures, Algorithms, and Web Development