Ansh Tiwari

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EDUCATION

VIT Bhopal University, Bhopal *June 2022 – June 2026*
B.Tech in Computer Science CGPA: 9.14/10

TECHNICAL SKILLS

Languages: Python, C++, C, JavaScript
Machine Learning: Supervised Unsupervised Learning, Deep Learning, Neural Networks, SVM, NLP
Libraries: NumPy, Pandas, PyTorch, OpenCV, Matplotlib, Seaborn
Web: HTML5, CSS, JavaScript, PHP, Express, Node.js, MySQL, MongoDB, Bootstrap, APIs, Postman
Tools: Jupyter, Git, VS Code, MongoDB Compass, MetaMask
Soft Skills: Team Leadership, Communication, Project Management

WORK EXPERIENCE

Project Group Lead, VIT Bhopal *Sep 2023 – Feb 2025*

- Led a team of 10 to develop a machine learning model reducing misclassification by 15%.
- Improved delivery speed by 20% through sprint planning and task automation.
- Optimized training pipeline, reducing model training time by 30%.
- Enhanced data processing speed by 40% using parallel computing.

PROJECTS

MockMate AI *Jan 2025 – Feb 2025*
Technologies: Next.js, React, Gemini AI, Drizzle ORM, Clerk

- Built and deployed an AI-driven mock interview app using Gemini AI for realistic question generation.
- Achieved 98% relevance in AI responses, improving interview practice quality.
- Integrated Clerk for secure authentication and personalized user sessions.
- Used Drizzle ORM to reduce backend latency by 30%.
- Enabled real-time feedback, boosting user learning outcomes by 25%.

EduFlow – MERN-Based School Management System *Jan 2023*
Technologies: React.js, Redux, Material UI, Node.js, Express.js, MongoDB

- Developed a full-stack school management app with role-based access for Admin, Teacher, and Student.
- Created dynamic dashboards with complete CRUD for classes, users, and subjects.
- Automated attendance and performance tracking, reducing manual tasks by 70%.
- Integrated real-time analytics to boost student engagement by 40%.
- Implemented secure messaging for seamless communication between users.

CERTIFICATIONS

- Practice Predictive Analysis - FutureSkills Prime Virtual Lab
- Bits and Bytes of Computer Networking – Google (Coursera)
- Intro Intermediate Machine Learning – Kaggle