

ANKIT PATIDAR

📍 Mandsaur, Madhya Pradesh

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EDUCATION

Vellore Institute Of Technology	Bachelor of Technology in Computer Science and Engineering - 8.61/10	September 2023 - Present
N.S. Singhvi Higher Secondary School , Mandsaur	Successfully completed HSC with a score of 83.8% .	April 2022
Shri Sai Public School, Dalauda	Successfully completed SSC (Matriculation) with a score of 80.2% .	April 2020
		Madhya Pradesh, India

PROJECTS

Adaptive Traffic Control System | Python, OpenCV, TensorFlow

- Designed an adaptive traffic control system, leveraging TensorFlow and YOLO sensors for real-time signal optimization with OpenCV integration. Improved overall traffic efficiency,
- showcasing the effectiveness of AI in traffic management.

Smart Railway Monitoring System | Python, Flask, IoT, TensorFlow

- Built an AI-driven railway monitoring system using IoT sensors and TensorFlow for real-time track health and anomaly detection.
- Enhanced railway safety and efficiency through predictive maintenance, using Flask for alerts and data visualization.

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, JavaScript
- **Machine Learning & Deep Learning:** Regression, Classification, Clustering, Neural Networks (ANN, CNN, RNN)
- **ML / DL Tools & Libraries:** Scikit-learn, NumPy, Pandas, Matplotlib
- **Web & Full Stack:** ReactJS, Next.js, Tailwind CSS, Vite, Node.js, Express.js, MongoDB
- **AI Technologies:** Artificial Intelligence, Generative AI (GenAI), Prompt Engineering
- **General Tools:** VS Code, Google Colab, Jupyter Notebook, MS Excel, Word
- **Languages:** Hindi (Native), English (Fluent)

CERTIFICATIONS

- Applied Machine Learning in Python, [Coursera](#)
- Google Cloud Generative AI , [SmartInternz](#)
- Google IT Support Certificate, [Google-IT](#)

LEADERSHIP & ACHIEVEMENTS

- Management Lead at Music And Band Club, VIT Bhopal
- Sports Fest Football Runner-Up, AdVITYa'24, VIT Bhopal