ANKIT PATIDAR

 Mandsaur, Madhya Pradesh

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EDUCATION

Vellore Institute Of Technology Bachelor of Technology in Computer Science and Engineering - **8.55/10**

September 2023 - Present
Madhya Pradesh, India

N.S. Singhvi Higher Secondary School , Mandsaur

Successfully completed **HSC** with a score of **83.8%.**

April 2022
Madhya Pradesh, India

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**
- Full Stack web development, **Udemy**

LEADERSHIP & ACHIEVEMENTS

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