

RANANJAY SINGH CHAUHAN

Jabalpur, Madhya Pradesh, India

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Education

Vellore Institute of Technology, Bhopal

09/2023 – Present

B. Tech in Computer Science Engineering (AI & ML Specialization)

GPA: 8.32/10

Little World Higher Secondary School, Jabalpur

05/2023

Class XII, CBSE

Marks: 402/500

Little World Higher Secondary School, Jabalpur

05/2021

Class X, CBSE

Marks: 564/600

Technical Skills

Programming Languages: Python, Java, C/C++, SQL (MySQL), JavaScript, HTML, CSS

Generative AI & LLMs: Hugging Face Transformers, Prompt Engineering, RAG, Fine-tuning, Embeddings, Vector Databases (FAISS, Pinecone)

ML & Data Tools: TensorFlow, PyTorch, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, XGBoost, OpenCV, NLTK

Other Tools: GitHub, Flask, Streamlit, Gradio, Jupyter, MS Excel

Projects

Legal Document Sentiment Analyzer (NLP & Transformers) – [GitHub](#)

Built a transformer-based system to analyze legal documents for sentiment and risk scoring. Applied prompt engineering and embeddings for contextual precision. Deployed a Streamlit dashboard for real-time visualization.

AnoCheck: Video Anomaly Detection System – [GitHub](#)

Designed anomaly detection pipeline for surveillance using spatio-temporal autoencoders and embeddings. Achieved ~85% precision.

Deep-Detect: ML-based Deepfake Detection – [GitHub](#)

Developed CNN + transformer-enhanced pipeline for video-based deepfake detection. Achieved ~80–85% accuracy.

Camera-based Attendance Recording Software – [GitHub](#)

Developed contactless facial-recognition-based attendance system. Incorporated embedding-based face verification, reducing manual attendance errors by 40%.

Certifications

- AWS Academy Graduate - Cloud Foundations ([Credly](#))
- AWS Academy Graduate - Machine Learning Foundations ([Credly](#))
- GenAI using IBM Watsonx ([IBM CEP](#))