

Rananjay Singh Chauhan

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Education

Vellore Institute of Technology, Bhopal B. Tech in Computer Science Engineering (AI & ML Specialization)	09/2023 – Present GPA: 8.32/10
Little World Higher Secondary School, Jabalpur Class XII, CBSE	05/2023 Marks: 402/500
Little World Higher Secondary School, Jabalpur Class X, CBSE	05/2021 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, Vector Databases (FAISS, Pinecone)
ML & Data Tools: TensorFlow, PyTorch, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, XGBoost, LightGBM, 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)

Additional Information

Soft Skills: Problem-solving, Collaboration, Public Speaking, Emotional Intelligence, Critical Thinking, Empathy, Adaptability, Learning Agility

Hobbies: Cricket, Model United Nations (MUNs), Debating

Languages: English (Proficient), Hindi (Native), French (Beginner)