

# Rananjay Singh Chauhan

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## EDUCATION

### Vellore Institute of Technology, Bhopal

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

09/2023 – Present

GPA: 8.32/10

### Little World Higher Secondary School, Jabalpur

Class XII – Central Board of Secondary Education

05/2023

Marks: 402/500

### Little World Higher Secondary School, Jabalpur

Class X – Central Board of Secondary Education

05/2021

Marks: 564/600

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## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C/C++, SQL (MySQL), JavaScript, HTML, CSS
  - **Generative AI & LLMs:** Hugging Face Transformers, Prompt Engineering, Retrieval-Augmented Generation (RAG), Embeddings
  - **ML & Data Tools:** TensorFlow, PyTorch, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, OpenCV, NLTK
  - **Other Tools:** GitHub, Flask, Streamlit, Gradio, Jupyter, MS Excel
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## 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.
  - **DeepDetect: 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%.
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## CERTIFICATIONS

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