

# SHIVANI PARATE

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## EDUCATION

### B.Tech in Computer Engineering

Aug 2024 - April 2028

SVKM's NMIMS Indore

CGPA - 9.54

### Atomic Energy Central School

March 2018 - March 2024

Class 10th: 93% — Class 12th: 87.8%

## TECHNICAL SKILLS

Programming Languages	Python, C++
Backend Development	FastAPI, Flask, REST API's, Streamlit
Databases	MySQL, MongoDB, ChromaDB, Firebase
AI/ML Technologies	Generative AI, AI Agents, LangChain, RAG, LLM API's, Deep Learning, Neural networks, Pytorch, Scikit-Learn, YOLO, OpenCV, Hugging Face
Libraries	Pandas, Numpy, Matplotlib, Seaborn
DevOps	Google Cloud Platform, Docker, Git

## PROJECTS

### [Fake Job Detection](#)

*NLP, Transformers, Semi-Supervised Learning, LLM Integration*

- Curated a **hybrid dataset** [🔗] by integrating labeled Kaggle/UCI data with manually scraped real-world job scams to enhance model generalization.
- Architected a **semi-supervised DistilBERT pipeline** utilizing confidence-based pseudo-labeling to extract patterns from large-scale unlabeled job advertisements.
- Engineered validation tools using **Sentence-BERT** and **TF-IDF** to detect semantic mismatches between job titles, descriptions, and required skill sets.
- **Optimized fraud risk assessment** by grounding **Gemini LLM** reasoning with **BERT embeddings** and similarity scoring to ensure high-fidelity, fact-based outputs.
- **Deployed a Streamlit application** for real-time visualization and evaluation of job posting risks, streamlining scam detection for end-users.

### [LLM Benchmarking Dashboard](#)

- Developed a **Streamlit-based** LLM benchmarking dashboard to compare Gemini (**gemini-2.5-flash**) and Groq LLaMA (**llama-3.3-70b-versatile**) models.
- Integrated **Gemini API** and **Groq API** for real-time prompt evaluation.
- Analyzed **latency, token usage, and throughput (tokens/sec)** for performance comparison.
- Visualized benchmarking results using **Plotly** for data-driven model selection.

## ACHIEVEMENTS

[NPTEL](#) Course Topper - Data Structures and Algorithms

July 2025 - October 2025

5th Position at CodeVerse VIT Bhopal Hackathon

June 2025