Akarsh Saklani

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 LinkedIn | GitHub | Kaggle | Portfolio

Education

Graphic Era Hill University   *Dehradun, Uttarakhand*
Bachelor of Technology in Computer Science and Engineering   *Aug 2022 – May 2026*

Experience

MLOps & AI Intern — DKAI Technologies (JD Fusion)   *Dehradun, India*
AI Internship   *Nov 2025 – Present*

- Engineered production-grade RAG pipelines using LangChain and Autogen, improving retrieval latency by **35%**.
- Orchestrated end-to-end MLOps workflows on AWS (SageMaker, EC2, S3), reducing operational overhead by **25%**.
- Created scalable embedding pipelines and vector store indexing for **1M+** documents.
- Implemented multi-agent LLM systems that boosted task automation efficiency by **40%**.
- Optimized inference and caching pipelines, reducing response latency by **20–30%**.
- Collaborated with engineering teams and US-based clients, enabling a **50% faster** delivery cycle.

Projects

Quantum-Inspired Cognitive AI Model   *2025*
Python, TensorFlow, Quantum Computing, EEG/fMRI, Ollama

- Developed a quantum-inspired AI model simulating superposition-based decision processing.
- Processed EEG & fMRI data achieving **85%** accuracy in cognitive state modeling.
- Applied neurosymbolic reasoning for emotion recognition and high-uncertainty inference tasks.

ReconGPT – AI Threat Intelligence Platform   *2025*
Python, DistilBERT, FastAPI, React.js, CNN

- Built automated threat intelligence pipelines aggregating global cybersecurity feeds.
- Fine-tuned DistilBERT on 100K+ emails, achieving **96%** phishing detection accuracy.
- Integrated DNS entropy analysis, WHOIS enrichment, and IOC extraction used by **200+ analysts**.

Bagragi – AI Travel Planner   *2025*
Node.js, React.js, XGBoost, Random Forest, Google Maps API

- Built an AI-based itinerary planner improving recommendation relevance by **30%**.
- Integrated Maps, Weather, and Safety APIs serving **500+** active users.

Technical Skills

- **AI/ML:** Transformers, LangChain, TensorFlow, Scikit-learn, CNNs, RAG, LLMOps
- **Cloud & MLOps:** AWS (SageMaker, EC2, S3), Docker, CI/CD, Model Deployment
- **Backend:** FastAPI, Node.js, Flask, Express.js, REST APIs
- **Databases:** MongoDB, MySQL, Pinecone, FAISS
- **Languages:** Python, C++, JavaScript, SQL

Achievements & Leadership

- **Patent Holder:** Indian Patent No. **202511083759** — "Offline Emotion-Based AI System" (2025).
- **AWS Skills-to-Jobs CTF:** Ranked Top 70–80 among 1,000+ global participants.
- **AWS Cybersecurity CTF:** Ranked Top 5 nationally among 100+ teams.
- **HackWithInfy 2025:** Qualified in national coding challenge.
- **Vice President, CryptX Club:** Led 50+ members in cybersecurity workshops and CTF events.
- **LeetCode:** Solved 800+ Data Structures & Algorithm problems.