Akarsh Saklani

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LinkedIn | GitHub | Portfolio

Education

Graphic Era Hill University *Dehradun, Uttarakhand*
B.Tech in Computer Science Engineering *2022 – 2026*

SGRR Public School *Dehradun, Uttarakhand*
Class 12 (Science) *2021 – 2022*

Alpine Public School *Nalagarh, Himachal Pradesh*
Class 10 *2019 – 2020*

Technical Skills

Programming: Python, C++, JavaScript
Web & SDK Dev: React.js, FastAPI, Express.js, Three.js
AI/ML: Transformers, TensorFlow, Scikit-learn, CNNs, Anomaly Detection
Cybersecurity: OSINT, Intrusion Detection, Threat Modeling, OWASP
Systems/Infra: Git, Docker, Linux, WebSockets, MongoDB, MySQL, Distributed Processing

Projects

ReconGPT – AI-driven Threat Intelligence Platform *2025*

- Built a scalable OSINT engine extracting and enriching **Indicators of Compromise (IOCs)** using a fine-tuned **Transformer NER pipeline**.
- Achieved **96% phishing email classification accuracy** on 160K+ samples with **DistilBERT**.
- Automated IOC triage + enrichment pipelines simulating SOC-scale **self-healing threat analysis**.

AI-IDS – Real-Time Intrusion Detection System *2025*

- Designed a **syscall anomaly detector** with **Auditd + Random Forest**, achieving **92% detection accuracy**.
- Handled **1000+ syscalls/sec** in real-time with low-latency **WebSocket alerting pipeline**.
- Simulated detection of privilege escalation and reverse shell attacks, validating **production-grade resilience**.

Bagragi – Global Safety Travel Platform *2025*

- Developed secure REST APIs with role-based access and integrated global safety/economic datasets for 190+ countries.
- Built interactive **3D globe visualization (Three.js)** to present real-time safety intelligence for travelers.

Patents

- **Indian Patent Application No. 202511083759:** *"Offline Conscious AI System"* — Filed in 2025, pending publication.

Achievements

- **Problem Solving:** Solved **750+ algorithmic problems** across LeetCode, GfG, and Codeforces.
- **Cybersecurity:** Ranked Top 5 nationwide in a Pan-India Cybersecurity CTF (100+ teams).
- **Leadership:** Organized cybersecurity workshops and events as Vice President of the Cyber Club, Graphic Era Dehradun.
- **Awards:** Gold Medal – International General Knowledge Olympiad; Silver Medal – International Mathematics Olympiad (Zonal).