Akarsh Saklani

akarshsaklani222@gmail.com — +91-9805646641
LinkedIn — GitHub — Portfolio

EDUCATION

Graphic Era Hill University *Dehradun, Uttarakhand*
Bachelor of Technology in Computer Science Engineering *2022 - 2026*

SGRR Public School *Dehradun, Uttarakhand*
Senior Secondary (PCM + Computer Science) - CBSE *2021 - 2022*

Alpine Public School *Nalagarh, Himachal Pradesh*
Secondary Education - CBSE *2019 - 2020*

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript
Web Development: React.js, Express.js, FastAPI, Three.js
Cybersecurity: OSINT, Nmap, Metasploit, Wireshark, OWASP
Machine Learning/Artificial Intelligence: Transformers, TensorFlow, Scikit-learn, Convolutional Neural Networks, Named Entity Recognition
DevOps/Databases: Git, Docker, Linux, MongoDB, MySQL, Postman, Cloudinary

PROJECTS

ReconGPT - Threat Intelligence AI (Solo Project) *2025*

- Developed **OSINT** agent to extract **Indicators of Compromise** (IPs, domains, hashes) using a fine-tuned **Transformer Named Entity Recognition** model
- Achieved **96%** phishing email classification accuracy on **160,000+** samples using **DistilBERT**
- Trained **Convolutional Neural Networks** for cipher classification (**92% accuracy**) and detection (**90% accuracy**), enabling encrypted threat analysis
- Automated Indicator of Compromise triage and enrichment for simulated **Security Operations Center** operations

AI-IDS - Real-Time Intrusion Detection System (Solo Project) *2025*

- Built syscall anomaly detector using **Auditd** logs and **Random Forest** algorithm (**92% accuracy** on **ADFA-LD** dataset)
- Processed **1000+** system calls per second in **real-time**, sending alerts via **WebSocket**-connected dashboard
- Simulated detection of **privilege escalation**, **reverse shells**, and other intrusion attempts

Bagragi - Global Safety Travel Platform (Team of 2) *2025*

- Built secure REST APIs with role-based access control for Guest and Host users
- Analyzed economic, diplomatic, and safety metrics for 190+ countries, visualized on a 3D globe using Three.js

ACHIEVEMENTS AND RECOGNITION

Cybersecurity: Top 5 nationwide in **Pan-India Cybersecurity Capture The Flag** competition (**100+ teams**)
Academic Awards: Gold Medal - International General Knowledge Olympiad, **Silver Medal** - International Mathematics Olympiad (Zonal level)
Problem Solving: Solved **650+ problems** on **LeetCode**, **GeeksforGeeks**, and **Codeforces**