

Akarsh Saklani

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Computer Science Engineering Student | AI/ML & Cybersecurity

Dehradun, India | +91-9805646641 | akarshsaklani222@gmail.com
LinkedIn | GitHub | Portfolio

Education

Graphic Era Hill University

Bachelor of Technology in Computer Science Engineering

Dehradun, Uttarakhand

August 2022 – May 2026

Technical Skills

Languages: Python, C++, JavaScript

AI/ML: Transformers (BERT, DistilBERT), TensorFlow, Scikit-learn, XGBoost, Random Forest, CNN

Web & Backend: React.js, Node.js, FastAPI, Flask, Express.js, REST APIs

Databases: MongoDB, MySQL

Cybersecurity: OSINT, Intrusion Detection, Threat Modeling, Auditd, OWASP

Tools: Docker, Linux, Git, Postman

Key Projects

ReconGPT – AI Threat Intelligence Platform

January 2025

Python, DistilBERT, CNN, React, Node.js, FastAPI

- Achieved 96% phishing detection accuracy on 160,000+ emails using fine-tuned DistilBERT transformer
- Built modular OSINT platform with 93% malware classification accuracy on 50,000+ samples using XGBoost
- Implemented CNN models for cipher recognition with automated STIX 2.1 JSON generation and DNS entropy detection

Real-Time Intrusion Detection System

February 2025

Python, Random Forest, Auditd, FastAPI, React

- Achieved 92% detection accuracy for syscall anomalies, processing 1,000+ events per second on Linux systems
- Engineered FastAPI backend with Auditd integration achieving 70% accuracy on live system logs
- Built React dashboard for real-time monitoring with distributed processing for enterprise-scale networks

Bagragi – Smart Travel Planning Platform

March 2025

Node.js, FastAPI, XGBoost, React, Three.js

- Developed backend using Node.js and FastAPI with XGBoost and Random Forest for intelligent recommendations
- Improved hotel recommendations by 30% through budget analysis and safety intelligence algorithms

Pre-Threat Intelligence Platform

September 2024

Python, Flask, Nmap, WhatWeb

- Developed reconnaissance tool using Python Flask, processing 1,000+ data points daily for threat assessment
- Integrated WHOIS lookup, Nmap scanning, and WhatWeb fingerprinting for attack surface analysis

Leadership and Achievements

- Vice President, CryptX Cybersecurity Club** – Graphic Era Hill University (January 2025 – Present)
- Patent Filed:** Indian Patent Application No. 202511083759 – "Offline Conscious Emotion-Based AI System" (March 2025)
- Ranked Top 5 nationally** in Pan-India Cybersecurity CTF competition with 100+ participating teams
- Solved 700+ algorithmic problems** across competitive programming platforms including LeetCode and Codeforces