RAMAN SINGH

Cybersecurity Fresher | SOC & Threat Detection | SIEM (Splunk)

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PROFILE SUMMARY

B.Tech graduate in Computer Science Engineering (Cyber Security & Forensics) seeking a SOC Intern role. Hands-on experience monitoring and triaging alerts in Splunk, analyzing logs and network traffic (TCP/HTTP), and investigating security events end-to-end in a home-lab SOC environment. Comfortable with Linux/Windows fundamentals, networking basics, and common attack patterns (malware, phishing, brute force, DDoS).

TECHNICAL SKILLS

SIEM & Threat Detection: Splunk, SIEM, log analysis, alert triage & investigation, incident documentation

Networking & Security Fundamentals: TCP/IP, HTTP/HTTPS, DNS, packet/traffic analysis, malicious IP & anomaly detection, IAM

Security Tools: Nmap, Wireshark, Burp Suite, Splunk

Forensic Tools: Autopsy, FTK Imager, Volatility

Operating Systems: Linux, Windows

Programming & Scripting: Python, C, C++, Java, JavaScript, HTML, CSS

Other: MySQL, NumPy, Pandas

RELEVANT PROJECTS

SIEM-Based Threat Detection in a Home Lab *May 2026*

- Set up a home-lab SIEM environment using Splunk to collect and centralize logs from multiple systems for security monitoring.
- Detected and triaged alerts generated in Splunk, analyzing logs to identify suspicious activity and potential threats.
- Investigated flagged events end-to-end — correlating log sources, validating true/false positives, and documenting findings in Splunk — to build practical threat detection and incident-analysis skills.

Network Anomaly & Malicious IP Detection System *Jan 2024 – May 2024*

- Developed a Python system to analyze packet transfer between IP addresses and flag malicious sources based on traffic behavior.
- Built a GUI application to visualize flagged malicious IP addresses and the services (TCP, HTTP, etc.) running on them, aiding faster triage.

PenTek — Python Penetration Testing Toolkit *Aug 2023 – Dec 2023*

- Built a Python, JavaScript, HTML and CSS-based pentesting toolkit unifying core assessment stages: reconnaissance, scanning, exploitation, and reporting.
- Structured the toolkit to give a comprehensive, automated, and repeatable workflow for cybersecurity assessments, reducing manual steps across the testing lifecycle.

CERTIFICATIONS

- Tata Cybersecurity Security Analyst Job Simulation — Forage (Sept 2024): Completed an Identity and Access Management (IAM) simulation with a Cybersecurity Consulting team; applied IAM principles and cybersecurity best practices, and delivered documentation and presentations on complex technical concepts.

EDUCATION

B.Tech, Computer Science Engineering (Cyber Security & Forensics) — UPES 2021 – 2025
CGPA: 7.95

Class XII, CBSE 2020 – 2021
Percentage: 89%

Class X, CBSE 2018 – 2019
Percentage: 95.4%

RELEVANT COURSEWORK

Cyber Security, Digital Forensics, Identity and Access Management, DevOps, Software Engineering and Project Management, Business Strategy, Data Analytics

LEADERSHIP & EXTRACURRICULAR

- Active member, ACM Chapter (2021 – 2022).
- Cluster football player, Army Public School, Hempur; Runner-up, Intercollege Football Tournament; Participant, Reliance Football Tournament (June 2022).