

Divakar K

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SUMMARY

- SOC and Cloud Security-focused Engineer experienced in SIEM monitoring, threat detection, and AWS security. Skilled in log analysis and incident response to protect hybrid infrastructure and improve security resilience.

EXPERIENCE | INTERNSHIP

Aug 2025 - Sep 2025 | Elevate labs

- Conducted penetration testing and vulnerability assessments on web/mobile applications using OWASP Top 10 methodologies, identifying critical flaws including XSS, SQL injection, and authentication bypass vulnerabilities.
- Applied networking and cybersecurity fundamentals in lab-based tasks, including network security monitoring, incident simulation, and building real-world security projects to demonstrate practical threat detection and mitigation skills
- Performed vulnerability scanning and service enumeration with Nmap and Burp Suite, followed by post-remediation validation to ensure security controls were effectively patched and critical vulnerabilities eliminated.

PROJECTS

WEBSITE VULNERABILITY SCANNER | WEB SECURITY PROJECT

2025 – 2026 | Self Project

- Built a Python-based web vulnerability scanner using Flask and BeautifulSoup to detect XSS, SQL Injection, and CSRF vulnerabilities aligned with OWASP Top 10, with an integrated dashboard for streamlined vulnerability reporting and triage.
- **GitHub:** WEB-APPLICATION-VULNERABILITY-SCANNER

TOR DEANONYMIZATION FORENSICS SYSTEM | HACKATHON

2025 – 2026 | Team Project

- Simulated a Tor network using Chutney for relay-level forensic traffic analysis, engineered features from captured data, and built an XGBoost-based detection model to identify deanonymization patterns, delivering a compact cybersecurity ML solution through team collaboration.
- **GitHub:** TOR-DEANONYMIZATION-FORENSICS-SYSTEM

SQL INJECTION DETECTION | WEB SECURITY PROJECT

2025 - 2026 | Personal Project

- Built a SQL Injection practice lab using Flask and PHP to demonstrate vulnerable vs. secure query handling, and developed a Python-based detection engine to identify malicious payloads and log real-time attack attempts for forensic analysis.
- **GitHub:** SQL-INJECTION-DETECTION

EDUCATION

RAJALAKSHMI INSTITUTE OF TECHNOLOGY

BACHELOR OF COMPUTER AND COMMUNICATION ENGINEERING
Expected July 2027 | Chennai - 600010

SKILLS

PROGRAMMING

Python • Java • MySQL

SECURITY - TOOLS

Nmap • Burp Suite • Metasploit Framework • Wireshark • Splunk • OWASP ZAP • Gobuster • Hydra • Tenable Nessus • Git/GitHub • Zeek • ELK Stack

PLATFORMS | OS

Windows • Kali Linux • Docker

CONCEPTS

SIEM • IDS/IPS • Network Security Monitoring • Log Analysis • Threat Hunting • Incident Response • MITRE ATTACK

SOFT SKILLS

Communication • Problem Solving • Logical Thinking • Adaptability

CERTIFICATIONS

- CCEP – Red Team Leader
- AWS Cloud Certification
- AWS Security Encryption
- Cisco Cybersecurity Essentials
- GRC | Mindset, Methods, Skills
- ISO/IEC 27001:2022 | Information Security Associate™

LINKS

Github: **Divakar-K**
LinkedIn: **Divakar-K**
Portfolio: **Divakar-K-Portfolio**