KRIPESH ACHARYA

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OBJECTIVE: Motivated cybersecurity professional with a passion for identifying emerging threats and implementing effective security solutions. Eager to leverage my technical expertise, problem-solving skills, and hands-on experience to safeguard organizations against evolving cyber risks and deliver impactful results.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, PowerShell, SQL, HTML

Tools & Technologies*:* Linux, Nessus, Microsoft Tools, Wireshark, Metasploit, Nmap, OpenVas, Firewall, Snort, Splunk SIEM, GitHub, IAM, IDS/IPS, Zero Trust Architecture, Network Protocols, VPN, EDR

Security Concepts: Threat Analysis, Vulnerability Management, Cryptography, Forensic Analysis, Log Analysis, Network Monitoring, Intrusion Detection/Prevention, OSINT Framework, Cybersecurity Policy and Framework, Risk Management

Soft Skills: Leadership, Project Management, Communication, Problem Solving, Teamwork, Attention to Detail

CERTIFICATIONS

- ISC2 Certified in Cybersecurity
- CISCO Ethical Hacker
- CISCO Junior Cybersecurity Analyst
- SBT Security Blue Team Junior Analyst Training
- NIST Risk Management Framework
- CNSS Certified Network Security Specialist

PROFESSIONAL EXPERIENCE

Vianet Communications, Lalitpur, Nepal   March 2020 - September 2022
Security Analyst

- Monitored network traffic and security alerts, reducing security incidents by 25% through real-time detection and mitigation.
- Configured and managed security devices (firewalls, IDS/IPS, VPNs), improving network uptime by 15%.
- Led security awareness training for over 60 employees, resulting in a 40% decrease in phishing incidents.

Visva Technikos, Kathmandu, Nepal   January 2019 - November 2019
System Administrator

- Configured Windows Server 2012 R2 and Red Hat Linux, improving server performance and reducing downtime by 20%.
- Diagnosed and resolved over 100 system/network issues, ensuring 99.9% system uptime.

EDUCATION

Mercy University, Dobbs Ferry, NY   August 2023 - December 2024
Master of Science in Cybersecurity

- **GPA:** 3.9

Specialization: C/C++, Python, Networking & Data Communication, Database Security, Info Assurance & Management, Firewall & Intrusion Detection, Applied Cryptography, Wireless Network Security

Leeds Beckett University, UK   January 2021 - April 2022
Bachelor of Science in Computing

- **GRADE:** First Class Honors

Specialization: Intelligent Systems, Digital Security, Advanced Database System, Advanced Web Engineering

International School of Management and Technology, Kathmandu, Nepal   January 2018 - March 2020
Associate of Science in Networking Engineering

*Specialization***:** Java, Networking, Cloud Computing, Network Security, SDLC, Project Management, Web Development, Client/Server Computing, Network Management, Network Design

PROJECTS [GitHub Link](#)

- **Investigating Compounding Threat Trends on National Critical Infrastructure** | Sandia National Laboratories
  Analyzed sector-specific threats and developed a Threat Assessment Framework, improving threat detection accuracy by 30%.
- **Home Lab Setup & SIEM Implementation using Splunk**
  Built a home lab integrating Splunk for log analysis, improving real-time threat detection and response capabilities
- **Firewall Configuration and Rule Implementation**
  Deployed and managed PfSense and Palo Alto firewalls to strengthen network security and prevent unauthorized access.
- **Configuring Snort and Creating Detection Rules for Network Traffic and Attack Patterns**
  Configured Snort IDS to detect network threats using custom detection rules in a simulated environment
- **Red Team Assessment and Reporting**
  Conducted penetration testing and identified 15 critical vulnerabilities, reducing overall risk exposure by 45% after remediation.
- **Cybersecurity Awareness Training Delivery**
  Designed and delivered workshops for over 50 students, increasing awareness of social engineering attacks by 60%.