HARI SAI NUTHALAPATI

Security Analyst | Web Developer

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EDUCATION

Master of Science in Computer and Information Science
University of Kansas   August 2022 – May 2024

Bachelor of Engineering in Computer Science and Engineering
Anna University   August 2018 – May 2022

TECHNICAL SKILLS

- **Programming & Scripting Languages:** Bash, Java, Python, JavaScript
- **Cloud & Web Technologies:** AWS IAM, S3 Encryption, CloudWatch Monitoring, RDS, EC2, HTML, CSS
- **Security Tools:** Splunk (SIEM), Microsoft Defender (EDR), Snort (IDPS), Qualys, Burp Suite, Nmap, Nessus, Metasploit, Wireshark
- **Ticketing Tools:** ServiceNow, Jira, Confluence
- **Standards & Frameworks:** NIST CSF, ISO 2700, MITRE ATT&CK, OWASP Top 10
- **Networking:** TCP/IP, DNS, OSI Models, Firewall Configuration, IDPS, Log Analysis (Sysmon, Windows Events logs)
- **Operating Systems:** Linux (Ubuntu, Kali Linux), Windows, MacOS
- **Databases:** MSSQL, MongoDB
- **Version Control & Development Tools:** GIT, Visual Studio, PyCharm, Virtual Machines (UTM, VMware), Docker

PROFESSIONAL EXPERIENCE

Amara Raja Energy & Mobility Ltd
Security Analyst   Dec 2020 – May 2022   Tirupati, India
Technologies: Qualys, Splunk SIEM, Microsoft Defender EDR, ServiceNow, Confluence, ISO 27001, NIST CSF

- Monitored and analyzed security events using **Splunk (SIEM)** and **Microsoft Defender (EDR)**, identifying and mitigating potential security threats, reducing **incident response time by 25%** through automated alert prioritization.
- Conducted **vulnerability scans** with Qualys, identifying 50+ critical risks annually; integrated findings with ServiceNow to automate ticket generation, improving patch cycles by **30%**.
- Analyzed network traffic with **Wireshar**k and **Ubuntu** to uncover suspicious activity, contributing to the detection and resolution of major vulnerabilities, ensuring **system integrity.**
- Authored security policies aligned with **ISO 27001** and **NIST CSF**, ensuring compliance during audits and reducing organizational risk exposure by **35%**.
- Collaborated with IT teams to harden **firewall** configurations and **endpoin**t protections, shrinking the attack surface by **20%**.
- Cooperated on incident response documentation and reporting via **Confluence**, reducing incident closure times by **20%** by streamlining the incident tracking process.

University of Kansas
Web Developer   August 2022 – May 2023   Lawrence, Kansas
Technologies: Python, HTML5, CSS, JavaScript, KU CMS, OWASP TOP 10

- Automated website maintenance by developing Python scripts that reduced manual link validation tasks by **40%**, improving workflow efficiency.
- Built responsive front-end features with **secure coding practices**, mitigating cross-site scripting (XSS) risks per **OWASP Top 10** guidelines.
- Enhanced front-end user experience by building responsive, interactive features with **JavaScript**, **HTML5**, and **CSS**, optimizing page performance across devices.
- Collaborated with Library staff to **troubleshoot** and **resolve** website technical issues, ensuring **minimal downtime** and improving site functionality.
- Documented maintenance procedures and troubleshooting guides, improving **team efficiency by 25**% in resolving technical issues and streamlining knowledge sharing.

PROJECTS

Cybersecurity Incident Response System [Python, Snort IDS, Splunk]

- Engineered and integrated a security monitoring solution utilizing Python, Snort IDS, and Splunk to analyze network traffic and system logs, boosting incident detection efficiency.
- Streamlined daily report generation through automation, cutting manual review time by 40% and accelerating response to critical alerts, including failed logins and port scans.
- Optimized alert processing by implementing event detection features, enhancing the system's ability to detect anomalous network traffic.

CERTIFICATIONS & ACHIEVEMENTS

- AWS Certified Cloud Practitioner.
- CompTIA Security+
- Junior Penetration Tester (eJPTv2), INE Security.
- Teaching Assistant for IST 435: Information Security and BSAN 735: Data Security, University of Kansas.
- Member, University of Kansas Information Security Club.