

HARI SAI NUTHALAPATI

[in LinkedIn](#) | [913-709-9486](tel:913-709-9486) | [Portfolio](#) | harisainuth@gmail.com | [GitHub](#)

Skills

- Python | Bash | PowerShell | Java | JavaScript | Go | HTML | CSS | MSSQL | MongoDB | Git | AWS | Azure | Docker | Virtual Machines
- Qualys | Splunk | Microsoft Defender | Nmap | Wireshark | Snort IDS | Burp Suite | Nessus | Metasploit | Ghidra | Wazuh | SentinelOne
- TCP/IP | HTTP/S | SSL/TLS | SSH | FTP | DNS | VPNs | RDP | Subnets | Internet Gateways | OSI Model | Log Analysis | Network Security
- NIST CSF | ISO 27001 | MITRE ATT&CK | SOC2 | PCI-DSS | CIS Benchmarks | OWASP Top 10 | Firewalls | Vulnerability Management
- Risk Assessment | Remediation Tracking | API Integrations | Workflow Automation | Security Documentation | English, Hindi, Telugu

Experience

Security Analyst

Amara Raja Ltd

Tirupati, AP, INDIA

12/2020 - 05/2022

- Implemented vulnerability management processes using **Qualys**, achieving 30% improvement in patch management cycle and ensuring timely remediation of vulnerabilities across network infrastructure.
- Collaborated with IT teams to track, prioritize, and remediate vulnerabilities based on comprehensive risk assessment metrics.
- Developed **Python** scripts to automate security scanning workflows and vulnerability reporting, improving operational efficiency.
- Monitored security events using **Splunk (SIEM)** and **Microsoft Defender (EDR)** to identify and mitigate potential security threats.
- Analyzed network protocols and traffic patterns with **Wireshark** to detect suspicious activities, contributing to the resolution of major vulnerabilities.
- Supported compliance initiatives related to **ISO 27001** and **NIST CSF** frameworks, addressing security gaps in various systems
- Documented detailed security findings and created automation workflows in **Confluence**, reducing incident closure times by 20%

Web Security Developer

University of Kansas

Lawrence, KS, USA

08/2022 - 05/2023

- Automated security checks and website maintenance by developing **Python** scripts that reduced manual validation tasks.
- Implemented secure coding practices and addressed web application vulnerabilities within the university's content management system.
- Created API integrations to streamline data flows between campus systems while maintaining security controls.
- Collaborated with IT staff to troubleshoot and resolve technical issues, ensuring minimal downtime and improved site functionality
- Documented maintenance procedures and security protocols, improving team efficiency by 25% in resolving technical issues.

Education

Master of Science

University of Kansas

Lawrence, KS, USA

08/2022 - 05/2024

- Major in Computer and Information Science

Bachelor of Science

Anna University

Chennai, TN, INDIA

07/2018 - 06/2022

- Major in Computer Science & Engineering

Projects

- **Cybersecurity Incident Response System:** Engineered a security monitoring solution using **Python**, **Snort IDS**, and **Splunk** to analyze network traffic and system logs, effectively detecting and alerting on potential security incidents **(2023)**
- **Vulnerability Management Automation:** Developed a comprehensive solution using **Python** that automated scanning, reporting, and ticket creation for vulnerabilities, reducing manual effort by 40% and improving remediation tracking **(2021)**
- **Real-time Chat Server:** Developed a chat server in **Python** using **Multithreading** and **Sockets**, allowing multiple users to chat simultaneously. Included features like group messaging and error handling for dropped connections. **(2020)**

Certifications

- **CompTIA Security+:** Demonstrated competency in network security, threats and vulnerabilities, and security operations **(2024)**
- **AWS Certified Cloud Practitioner:** Validated knowledge of AWS cloud concepts, security, and compliance **(2024)**
- **Junior Penetration Tester (eJPTv2):** Practical certification in penetration testing methodologies and tools, INE Security **(2024)**

Mentorship

- **Security Research:** Contributed to vulnerability research and security analysis as a volunteer at CyberSpeak Labs **(2025)**
- **Teaching Experience:** Teaching Assistant for IST 435: Information Security and BSAN 735: Data Security at University of Kansas **(2024)**