

# HARSHITHA REDDY VANGA

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## PROFESSIONAL SUMMARY:

Over 5 years of IT Professional Experience in SAP Security and Cybersecurity with Exceptional analytical and problem-solving skills, coupled with effective communication and collaboration abilities. Eager to leverage comprehensive skills and technical expertise to contribute to dynamic teams and ensure the integrity and resilience of organizational security postures.

## PROFESSIONAL EXPERIENCE:

**Security Analyst Intern**, Natsoft Corporation, Somerset NJ Aug 2023-Dec 2023

- Monitored and analyzed 40% of events from Splunk Enterprise for potential security breaches and anomalies.
- Recommended Security improvements to security and internal controls, increasing performance by 30%
- Performed vulnerability scans utilizing Nessus and mitigated an average of 15 high-risk vulnerabilities per scan, leading to a 48% reduction in potential security threats.
- Acquired knowledge of Cybersecurity frameworks and actively worked on NIST CSF for gap analysis.

**Student Worker**, University of Central Missouri, Lee Summit MO Dec 2022-Jun 2023

- Experienced in a First responder role, efficiently managing front-desk activities with a focus on security and confidentiality.
- Demonstrated proficiency in greeting visitors, securely handling sensitive communications, and meticulously managing inventory.
- Skilled in setting up rooms for meetings and conferences, ensuring adherence to privacy and security protocols.

**SAP Cybersecurity Analyst**, Infosys, Hyderabad India Aug 2021-July 2022

- Integrated Splunk with Onapsis, establishing automated jobs and alarms for efficient, continuous vulnerability analysis.
- Collaborated with IT SOX stakeholders and Internal Audit teams, focusing on addressing Authorization and Authentication vulnerabilities using Onapsis. This strategic partnership and proactive approach led to a significant 43% reduction in associated risks.
- POC for end-to-end Fiori 2.0 Implementation and integration with GRC Access control.
- Led a team of Technical and Functional teams for Note Implementation including Patches, password parameter changes, ABAP Code changes, and SOD conflict resolution which reduced the Vulnerability count by 73%
- Performed Identity and Access Management (IAM) for SAP systems and Onapsis portal
- Implemented Role-based access control (RBAC) and the Principle of Least privilege across the landscape.

**SAP Security and GRC Analyst**, Tata Consultancy Services, Hyderabad India Oct 2019-Aug 2021

- Ensured compliance with data privacy regulations, such as GDPR, by implementing robust data security measures and actively participating in internal and external audits.
- Utilized Virtual Forge for comprehensive vulnerability assessments, successfully identifying and remediating 63% of issues, enhancing system security, and providing recommendations to maintain regulatory compliance.
- Extensively worked on User provisioning and role administration for R3 Architectures and Native HANA 2.0 using SQL
- Assisted in security audits regularly to ensure compliance with security policies and standards
- Implemented GRC Access Control 12.0 and upgraded BW 7.3 to 7.5
- Conducted in-depth SOD Risk analysis and simulations to avoid internal and external threats.
- Awarded "Special Achievement" for successful implementations while effectively handling internal audits.

**SAP Security Administrator**, Tata Consultancy Services, Gandhinagar India Sep 2018-Oct 2019

- Triage the tickets based on criticality and provide resolution to end users and cross-functional teams.
- Designed, Developed, and maintained Single roles, Composite roles, Master and Derived roles, and simulations before assignment to users.
- Troubleshoot authorization and authentication issues for customers and cross-functional teams.
- Awarded with "On the Spot Award" for automating user provisioning by collaborating with other technical teams.
- On-call support for Monthly patch updates and upgrades Visited clients to fix the gaps between the client and our team to achieve better collaboration.

**Full Stack Java Developer Intern**, Topnotch Software's, Hyderabad India Dec 2017-May 2018

- Developed a full-stack Java application for a Banking website Implementing secure user authentication and authorization mechanisms.

## ACADEMIC AND GUIDED PROJECTS:

**Vulnerability Scanning with Nmap: Network Scanning** Coursera Project Network

- Installed Open-source Nmap in authorized environments and on authorized networks for non-malicious purposes.
- Monitor network vulnerabilities by creating customized Nmap scans with options and output them for security audits.

**Wireshark for Beginners: Capture Packets** Coursera Project Network

- Downloaded the stable version of Wireshark and assigned authorized users to the Wireshark group to enable network analysis and utilized display and capture filters for analysis.

**Wireshark for Basic Network Security Analysis** Coursera Project Network

- Generated RADIUS traffic, captured, decrypted using a shared secret, and analyzed for potential vulnerabilities.
- Differentiated the traffic for Basic HTTP Authentication and Form-based by initiating the traffic, capturing it with Wireshark, and analyzing it.
- Initiated Telnet and SSH Sessions and captured traffic based on the host involved and how to see all the host, packet, and protocol statistics as well as conversations that have happened in a certain Capture.

**Secure Network Device using Cisco Packet Tracer** Coursera Project Network

- Created Network topology and applied authentication on switches and routers while testing connectivity between devices.
- Configured DHCP server on the router and established connections between PCs from different VLANs to communicate utilizing secure ports.

**Burpsuite: Intro to Pentesting** Coursera Project Network

- Configure, Intercept, and modify HTTP requests using Burp Proxy for web applications and docker containers like DVWA.
- Reissue individual modified HTTP requests using Intercept and Repeater.

**Email Forensics** Academic

- Performed research with analytical skills for determining various email attributes to thwart social engineering attacks, including phishing; presented on email attack prevention.

**Threat Intelligence for malicious and benign websites** Academic

- Examined 100,000 website entries using machine learning and Python, distinguishing malicious sites to establish protective proxies against system-level attacks.

## CERTIFICATIONS

- CompTIA Security+ SYO-701|(ISC)2 CC | AWS Cloud Quest Cloud Practitioner | Security Compass OWASP 2021
- SAP Cloud Security: BTP Security | Udemy – GRC Security, HANA DB Security.

EDUCATION

University of Central Missouri	Dec 2023
Master’s of Science in Cybersecurity and Information Assurance	GPA:3.6/4.0
Coursework: Advanced computer Networking Security, Ethical Hacking, Cybersecurity policies and Risk Management, Design of cryptographic algorithms and protocols, Threat Intelligence and Incident Response, Introduction to Information Assurance, Computer and Network Forensics, Design of Cryptographic algorithms and protocols, advanced algorithms and Advance Application Programming in Java.	
Google Cybersecurity	Nov-2023
Studied how to identify common cybersecurity risks, threats, and vulnerabilities, as well as the techniques to mitigate them. Gained hands-on experience with Python, Linux, and SQL. Learned how to protect networks, devices, people, and data from unauthorized access and cyber-attacks using Security Information Event Management (SIEM) tools, Intrusion Detection Systems (IDS), and network protocol analyzers (packet sniffing).	
Vignan’s University, Vadlamudi	May 2018
Bachelor of Technology in Computer Science & Engineering	

TECHNICAL SKILLS

Programming/Scripting Languages: Python, SQL, Java, HTML

Operating Systems: Windows, Linux, Unix, Mac

Tools/Platforms: Splunk, TCPdump, Nessus, Nmap, Wireshark, Metasploit, Cisco Packet Tracer, Burp suite.

Cybersecurity Frameworks: SOX, COBIT, COSCO, NIST CSF 800-53, HIPAA, PCI DSS, GDPR, NIST 800-39, SOC2, NIST CSF, Fed RAMP, CSA STAR, ISO 8583, and ISO 27001

Others: AWS, IDS/IPS, IPsec, DNS, CVE, SIEM, SOAR, LAN, WAN, SCADA, OWASP, Microsoft Office Suite products and Google sheets