

Information Security Specialist

Multicertified expert in enterprise security strategies, I'm a highly skilled graduate with a Bachelor in Engineering (B.E) – Information Technology, specializing in security. My expertise spans planning, designing, installing, operating, managing, and securing information technology infrastructure. Committed to excellence, I diagnose and resolve complex technical challenges, emphasizing a holistic approach that integrates troubleshooting, critical thinking, teamwork, and effective communication.

Highlights of Expertise:

- **Security Infrastructure Design:**
 - Spearheaded the design, implementation, operation, and maintenance of robust security infrastructure, encompassing network and host-based IDS/IPS systems, firewalls, and application and vulnerability monitoring systems. Ensured optimal system and application performance through continuous health monitoring.
- **Vulnerability Analysis:**
 - Conducted comprehensive testing and vulnerability analytics at the network and server levels. Identified and characterized anomalies susceptible to exploitation, offering proactive solutions to enhance network resilience.
- **Network Packet Analysis:**
 - Demonstrated prowess in analysing network packet information, computer OS system data, executable file data, host data, and metadata. Leveraged insights to identify and characterize anomalies on networks, enhancing threat detection capabilities.
- **Cyber-Threat Expertise:**
 - Functioned as a computer security-focused expert, examining, identifying, and comprehending the nature of cyber-threats. Specialized in addressing viruses, worms, bots, rootkits, Trojan horses, and other sophisticated threats.
- **Virtualization and Cloud Configuration:**
 - Proficient in configuring VMware, Hyper-V, Virtual Box, and Cloud environments. Expertise extends to seamless machine configuration, ensuring optimal performance in diverse technological landscapes.
- **Network Security Measures:**
 - Implemented Proxy Servers and Network Address Translation (NAT) strategies to fortify network security. Adept in countering webserver and web application attacks through strategic countermeasures.
- **Web Technologies:**
 - Possess comprehensive knowledge of Web Publishing, including proficiency in HTML, CSS, and JavaScript. This skill set extends to crafting secure and dynamic web environments.
- **Comprehensive IT Security Skills:**
 - Expertise in Vulnerability Assessment & Penetration Testing, Email Tracking, Keylogger implementation, Phishing countermeasures, SQL-injection detection, Sniffing prevention, and effective use of the Metasploit Framework.
- **Wireless Network Security:**

- Specialized in addressing Wireless Network Intrusions, including Rogue Access Points, Hidden Networks, and successful recovery of WPAv2 encryption keys. Proficient in countering Dictionary and Brute Force Attacks.
- **Diverse Security Tool Proficiency:**
 - Mastery in handling an array of security tools, including Nessus, Acunetix, Wireshark, Cain & Abel, Aircrack-ng, Nmap, and more. Equipped to handle sophisticated security challenges with finesse.
- **Operating System Expertise:**
 - Proficient in navigating and securing Kali Linux, Windows Servers, and Windows 11 environments.

Projects:

IoT-Based WIFI Deauther Attack:

- Developed a sophisticated Deauther tool to secure unsecured network environments. The ESP8266 Deauther program disrupts connected devices with a repetitive "disconnect" message, creating a jamming effect on the network.

ESP8266 WIFI Extender Arduino:

- Engineered a device based on ESP8266 to enhance Wi-Fi network range. Through a simple web UI connection to the router, this device acts as a Wi-Fi extender for phones, PCs, and other internet-enabled devices.

Amazon Web Service (AWS) Expertise:

- Proficient in the installation and configuration of AWS Services, including EC2, ELB, Cloud Watch, Cloud Alarm, AWS IAM, and Database.

Responsibilities:

- Administered servers, desktop computers, printers, routers, switches, firewalls, personal digital assistants, and smartphones.
- Provided extensive support for LANs, WANs, network segments, Internet, and intranet systems.
- Maintained network facilities, troubleshooting reported problems, and ensured security and availability.
- Oversaw the installation, configuration, operation, and maintenance of systems hardware and software.
- Set up user accounts, permissions, and passwords, with a particular emphasis on internet security.

EDUCATION

Bachelor in Engineering (B.E) – Information Technology <i>Sarvepalli Radhakrishnan University (SRK), Bhopal</i>	2020 - 2024
Next-Generation SOC Analyst Training <i>Siem Xpert, Bengaluru</i>	2023 - 2024
Certified Ethical Hacker (CEH) - CYBER SECURITY <i>EC-Council University, USA</i>	2022 - 2022
10+2 Intermediate - Science <i>Rajender Collegiate+2 School, CHAPRA</i>	2018 - 2020

SKILLS

Cybersecurity Fundamental's, Networking Fundamentals, Penetration Testing, Operating Systems Knowledge, Firewall Management, Cryptography, (SIEM), Wireless Security, (SOC), Vulnerability Management, Web Application Security, Security Assessments, Malware Analysis, Incident Response, Risk Assessment, Security Compliance, Social Engineering Awareness, Soft Skills

LICENSES & CERTIFICATIONS

Cybersecurity SOC Analyst intern specializing in SIEM systems. Expert in installing and upgrading ArcSight connectors for seamless integration and optimal security. Integrated diverse devices—Windows/Linux servers, CISCO firewalls, routers, and switches—for unified monitoring. Troubleshoot log transmission issues to ensure consistent data collection. Conducted continuous network monitoring with ArcSight and Splunk for security and integrity. Provided first-level support for security issues, escalating as necessary to maintain a secure IT environment.

Worldsec Technologies - Soc Analyst intern

2023 - 2024

Recently concluded comprehensive internship spanning Computer Forensics and Cyber Security. Acquired valuable skills navigating the complex landscape of cybersecurity. Grateful for the enriching experience and LinkedIn's support. Credential: gWbW5qHACHqQBGWpA

JPMorgan Chase & Co. Cybersecurity Internship

2024

Completed Virtually Testing Foundation bootcamp. Gained expertise in adversary tactics, security assessments, control effectiveness, and proactive testing. Grateful to instructors Christopher Callas and Joseph Martinez. Ready to apply skills in protecting systems and data. Credential: 8a8d52dd-5ba5-452c-b523-5159de73e9ad

Virtually Testing Foundation bootcamp

2024

Completed Tata Group's Cybersecurity Analyst on Forage. Mastered IAM principles, cybersecurity best practices, and strategic alignment. Demonstrated effective communication of complex technical concepts. Check out the simulation: Link. Credential:

AaZw3rfa4v3SrQxPs_1709363461483

Tata Group - Cybersecurity Analyst Job Simulation

2024

Passionate cybersecurity intern at Hacker Helps, specializing in vulnerability assessment, penetration testing, and security policy formulation. Proficient in Kali Linux, Nmap, Nessus, and Wireshark. Addressed security vulnerabilities, pioneered remote employee security policies, and contributed to incident response. Committed to Hacker Helps' mission, seeking continuous learning and skill enhancement in 2023.

Hackerhelps Global - Cybersecurity Intern

2023