Monish Teja Kolli

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Education:

NORTHEASTERN UNIVERSITY, BOSTON, U.S

Master of professional studies in informatics – [GPA – 3.8/4.0] **Sep 2023 - Present**

Specialization: Project Management, Cyber security

Course work: Information Technology Strategy, Info System Design and Development, Foundations of Informatics Information Security Risk Management, Cloud Computing Applications and Management

GITAM DEEMED TO BE UNIVERSITY, VISAKHAPATNAM, INDIA

B. Tech in Computer science and engineering – [GPA – 3.2/4.0] **Jun 2019 – Apr2023**

Specialization: Programming, Database management, Project management, Cyber security

Course work: Programming with C, Data structures with Python, DBMS, Computer networks, A.I, Engineering economics and management, cyber security and fundamentals of cyber law, Agile software development methodologies, Software testing Methodologies, Optimization techniques

Skill set:

Computer Skills: C programming, Python Programming, HTML, CSS, Amazon AWS, MySql, Microsoft VBA Macros

Penetration Testing Tools: Kali Linux, Burp Suit, ZAP, Nmap, Metasploit, Wireshark, SEIM tools

Security Frameworks: NIST CSF, ISO 27001, OWASP

Engineering: Software development methodologies, Kaizen, Software testing Method, Fundamentals of cyber law, 5S principals, Six Sigma, Optimization techniques, Engineering Economics

Interpersonal Skills: Project Management, Time Management, Teamwork, Collaborative

Work Experience:

Company Name: West Advanced Technologies Inc (WATI), Location: Bangalore, India

Job Role: Security Analyst and Penetration Testing Intern **May 2024 – Jul 2024**

- Executed comprehensive Vulnerability Assessment and Penetration Testing (VAPT) using tools like Burp Suite, Nmap, and Metasploit, identifying and mitigating over 80% of critical vulnerabilities across web applications and internal networks, resulting in a 95% improvement in system security
- Conducted real-time security event monitoring and analysis using SIEM tools, detecting and responding to security incidents, which contributed to reducing incident response time by 40% and strengthening the organization's threat management process

Company Name: Terra Automation, Location: Visakhapatnam, India

Job Role: Electronics and Robotics Intern **Dec 2022 – Feb 2023**

- Developed and showcased multiple IoT projects at exhibition fairs, increasing the company's visibility and market presence by engaging potential clients and industry experts
- Implemented diverse testing methodologies, reducing errors by 20% in production, which improved product reliability and operational efficiency

Projects:

Security Mitigation Plan for FLIPKART:

- Architected and implemented a comprehensive Security Mitigation Plan for Flipkart's 2021 data breach using advanced Amazon AWS security services resulting in a 40% reduction in vulnerability incidents and ensuring compliance across all departments
- Identified and mitigated critical vulnerabilities, reducing potential risks and enhancing the overall security posture of cloud infrastructure

WEB APPLICATION VAPT ASSESSMENT:

- Executed comprehensive Vulnerability Assessment and Penetration Testing (VAPT) on web applications, identifying and mitigating critical security risks, resulting in enhanced application security
- Leveraged cutting-edge tools such as Burp Suite, Nmap, and OWASP ZAP to diagnose and prioritize vulnerabilities, including broken access controls and SQL injection, significantly strengthening defense mechanisms

RISK MITIGATION PLANNING AND REPORTING:

- Spearheaded the development of comprehensive risk planning and reporting procedures, driving a proactive approach to uncertainty management, resulting in minimized operational vulnerabilities
- Conducted in-depth risk identification, impact analysis, and probability assessments, prioritizing and addressing high-risk scenarios, leading to enhanced organizational safeguards