

# Monish Teja Kolli

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## Education:

**NORTHEASTERN UNIVERSITY, BOSTON, MA, U.S.A**

**Master of professional studies in informatics – Information Security and Management**

**Sep 2023 - Present**

**Specialization:** Cyber Security, Project Management

**Course work:** Ethical Hacking, Information Security Risk Mitigation and Management, Network Protection and Cloud Security

**GITAM DEEMED TO BE UNIVERSITY, VISAKHAPATNAM, INDIA**

**B. Tech in Computer science and engineering**

**Jun 2019 – Apr 2023**

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

**Course work:** Cyber security, fundamentals of cyber law, Computer networks, Optimization techniques, Agile software development methodologies (Agile/Waterfall methods), Software testing Methodologies

## Technical Skills:

**Computer Skills:** C programming, Python, HTML, CSS, Amazon AWS, Microsoft Azure, MySQL, Microsoft VBA Macros

**Penetration Testing Tools:** Kali Linux, Burp Suite, ZAP, Nmap, Metasploit, Wireshark, SIEM 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**

- Led VAPT projects using Burp Suite, Nmap, and Metasploit, coordinating with team members to resolve over 80% of critical vulnerabilities, resulting in a 95% improvement in security
- Collaborated with cross-functional teams to enhance threat detection capabilities, achieving a 60% reduction in incident response time through continuous monitoring and analysis using SIEM tools
- Assisted in creating and implementing security policies and procedures, which strengthened the organization's security posture by 90% and ensured compliance with industry standards
- Developed detailed security reports and presented findings to management, clearly communicating risks and recommended mitigations, leading to informed decision-making and reinforced security measures

**Company Name: Terra Automation, Location: Visakhapatnam, India**

**Job Role: Electronics and Robotics Intern**

**Dec 2022 – Feb 2023**

- Conducted security assessments of IoT devices, collaborating with engineering teams to identify vulnerabilities and implement solutions that improved device security by 60%
- Led a team of 7 in engineering and showcasing innovative IoT projects at exhibition fairs, significantly enhancing the company's visibility and market presence, while effectively managing project timelines and resources
- Implemented advanced testing methodologies in the production environment, coordinating with production teams to reduce errors by 20%, which enhanced product reliability and operational efficiency
- Designed and executed a prototype automation system, which improved operational throughput by 25% and reduced manual interventions

## Projects:

### Security Mitigation Plan for FLIPKART:

- Architected and carried out an comprehensive Security Mitigation Plan for Flipkart's 2021 data breach using Amazon AWS security services, resulting in a 40% reduction in vulnerability incidents and ensuring compliance across all departments
- Identified and mitigated critical vulnerabilities within the cloud infrastructure by leveraging AWS services and following NIST CSF and ISO 27001 security frameworks, significantly enhancing the overall security posture

### WEB APPLICATION VAPT ASSESSMENT:

- Performed end-to-end Vulnerability Assessment and Penetration Testing (VAPT) on web applications, using tools like Burp Suite, Nmap, ZAP, and Metasploit to detect and remediate high-impact security risks, which led to a 90% enhancement of the application's security posture
- Utilized skills in MySQL, and web development (HTML, CSS) to identify and prioritize critical vulnerabilities such as broken access controls and SQL injection, significantly fortifying defense layers by 40% and minimizing the attack surface

### RISK MITIGATION PLANNING AND REPORTING:

- Spearheaded the development of comprehensive risk planning and reporting procedures, driving a proactive approach to uncertainty management. Utilized risk analysis techniques to minimize operational risk and applied mitigation strategies that reduced potential impacts by 40%
- Rendered thorough risk assessments across 30+ scenarios, identifying and mitigating high-risk vulnerabilities and strengthening the organization's defenses against emerging threats

## Certificates:

- CompTIA Security + Exam SY0-701, Total Seminars, Udemy
- Cybersecurity Job Simulation, Mastercard, Forage

**Jul 2024 – Sep 2024**

**Sep 2024**