Monish Teja Kolli

Mail id: kolli.m@northeastern.edu | Personal Website: View | Linkedin Monish Teja Kolli

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Summary:

Passionate Computer Science and informatics specialist with focus on cyber security adept at creating innovative techniques, and making them robust and scalable. Skilled in multiple technologies, and Risk mitigation techniques Highly motivated and results-driven, with the capacity to work and grow in a committed team. Completed an internship as Security Analyst and Penetration Testing Intern at WATI.

Internship:

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

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

- Learned Different types of Vulnerability Assessment and Penetration Testing methodologies.
- Used multiple Security assessments tools and Penetration testing tools to conduct VAPT assessments on various website, Internal networks, Application and Prepared detailed reports on findings and recommended mitigation actions.
- Assisted in Monitoring and analysis of security events using SIEM tools.
- Assisted in implementing security policies and procedures to improve the organization's security posture.

Company Name: Terra Automation, Location: Visakhapatnam, India

Job Role: Electronics and Robotics Intern   **December 2022 – February 2023**

- Learned how to use different types of IoT devices and implement on real world projects
- Developed multiple IoT projects and conducted exhibition fairs on behalf of the company
- Witnessed development of a prominent humidity and temperature sensor for missiles which is one of the companies distinguished endeavours driving the company's reputation which led to 30% hike in the company's profits
- Performed different testing methodologies which reduced error by 20% in overall production

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Education:

NORTHEASTERN UNIVERSITY, BOSTON, U.S

Master of professional studies in informatics – [GPA – 3.8/4.0]   **September 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]   **June 2019 – April 2023**

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

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Skill set:

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

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

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Projects:

Security Mitigation Plan for FLIPKART:

Developed a Security Mitigation plan for Flipkart for their 2021 data breach, Used multiple Amazon AWS controls to achieve the desired security standards. We used NIST CSF framework throughout the process. Many Security controls and Cloud security controls we put in place to mitigate potential threats.

WEB APPLICATION VAPT ASSESSMENT:
Performed vulnerability assessment and penetration testing (VAPT) on a web application to identify and mitigate potential risks. Vulnerability assessment seeks to identify and categorize potential vulnerabilities like Broken access controls, SQL injection vulnerability, and etc... This VAPT assessment uses an automated and manual testing methodology that makes use of industry-standard tools including Burp Suite, Nmap and OWASP ZAP.

RISK MITIGATION PLANNING AND REPORTING:
we explored the crucial procedures of risk planning and reporting, underscoring their significance in upholding a proactive approach towards uncertainties. Identifying possible risks, evaluating their impact and likelihood, and creating management or mitigation plans are all part of risk planning. However, risk reporting makes sure that all parties involved are aware of and in agreement by methodically recording and communicating risks that have been identified, their assessments, and the mitigation strategies that have been put in place.

REALTIME PROJECT WITH SCROOBIUS:
We participated in an innovative project in collaboration with Scroobius, We are dedicated to conducting in-depth research, engaging in insightful interviews, and developing a draft website featuring advanced UX/UI elements, providing them with extra information in creating a dedicated client business connection webpage for their new business initiative.

PACMAN GAME:
I created a modern version of the beloved Pac-Man arcade game. I was able to learn more about the fundamentals of game development—such as character control, AI behavior, collision detection, and user interface design—through this project. The result is a functional and entertaining version of Pac-Man that stays true to the original's charm.

ORGAN DONATION APPLICATION WITH CONTINIOUS INTEGRATION AND DEPLOYEMENT USING JENKINS:
Developed a robust organ donation application, implementing continuous integration and deployment through Jenkins. The platform facilitates users and hospitals to request or donate organs, triggering notifications to relevant healthcare facilities.

FACIAL EMOTION DETECTION USING CNN:
Developed of a website capable of detecting user's facial emotions and providing tailored responses or suggestions accordingly with an accuracy of ~95%

HOME AUTOMATION:
Engineered a home automation system using Arduino, enabling remote control of household appliances through a mobile phone.

GIFT SHOP DIGITAL TRANSFORMATION:
Developed a static website for a local gift shop. The idea for the gift shop is reinventing the consumer experience by utilizing digital innovation. The emphasis was on online presence, customization options for the products and embracing the digital Transformation era to delivery the products efficiently with utmost customer satisfaction.