Adithya Naga Sai Bolugoddu

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Professional Summary

Detail-oriented, motivated cybersecurity professional pursuing a master's degree in cybersecurity at Eastern Illinois University. I have a Bachelor of Technology in Information Technology. I am seeking a challenging role to apply my academic knowledge and skills in vulnerability assessments for system security. I am confident and capable that I can efficiently apply my abilities and data-related learning to real-world situations that will benefit the company. My goal is to contribute to dynamic cybersecurity projects and look forward to improving security measures.

Education

Master of Science in Cybersecurity   **January 2023 - Present**
Eastern Illinois University, Charleston, Illinois

Bachelor of Technology in Information Technology   **August 2017- March 2022**
GRIET, Hyderabad, Telangana State, India

Technical Skills

Computer **Languages**	Java, C++, Python, Ruby
IT Constructs	OOPS (Object Oriented Programming), OS (Operating system)
Web Development	HTML 5, CSS 3/4 (Cascading Style Sheet), Java Script
Database Language	SQL (Structured Query Language), PL/SQL (Procedural Language/SQL), MongoDB (NO SQL)
Methodologies	Scrum, Agile and Waterfall
Version Controls	Git, GitHub, Bitbucket, JIRA, TeamCity
Other applications	Adobe Photoshop, Adobe After Effects, Blender 2.8, and Adobe Illustrator
CertIfications	CompTIA Security+

Academic Projects

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- Automatic Helmet Detection on Public Roads (2019)

This mainly involves detecting people without helmets on public roads. It is software that captures photos, processes images, and detects people without helmets. The technology used is computer vision; internal image processing takes place where a large set of images are fed into the system, and this software compares the objects with those images.

- Smart Garden using Bolt-IOT (2020)

Smart garden using Bolt IOT- It mainly involves a group of plants where a soil moisture sensor is installed under soil, which is connected to the Arduino UNO/Bolt IOT. It keeps track of the soil moisture of the plant.

- Face recognition using raspberry pi (2021)

This project involves a raspberry pi, an SD Card, camera module, mouse, keyboard, monitor and OS. It mainly involves execution of two python programs, first program is to train the model with a definite set of images with definite size.
The second model involves face recognition using raspberry pi.

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- Database project for sports team management (2023)

This project involves creating a database to manage the team operations and an overview of statistics of players. I chose to create a database that manages an IPL team operation where the database handles player information, player statistics and various roles in the team. Created database schema using MySQL, designed tables for players, match schedules, and Player and staff roles. Created ERDs to show relationships and database structure. Tested functions and accuracy of the schema so that the schema can be reliable.

Research paper

- Research Paper on Standards (2023):

Topic: "Navigating the Implementation of Biometric System Standards: Challenges and Best Practices in Technical Integration"

Summary: It aims to investigate the complexities surrounding the implementation of biometric system standards, specifically focusing on the challenges and best practices related to technical integration. It explores the multifaceted landscape of biometric technology adoption, emphasizing the critical role of standards in ensuring interoperability, accuracy, and security across diverse systems. The research delves into the complexities faced by organizations when integrating standardized biometric systems, addressing issues such as compatibility with existing infrastructure, varying sensor technologies, data privacy concerns, and regulatory compliance. Additionally, this study aims to highlight best practices derived from successful implementations, offering insights into effective strategies for overcoming integration challenges and maximizing the benefits of standardized biometric systems within different operational environments.

Professional Experience

Intern at CITRIX R&D INDIA PVT LTD.   Software Quality Assurance Engineer, Nov 2020 – Dec 2022

Responsibilities:

- Analyzed core aspects of the product, prepared test cases and planned test execution in all non EN languages.
- Collaborated with development, customers, support and, implementation teams to make sure successful product launches.
- Set up, maintained, and enhanced testing frameworks to identify and resolve defects using JIRA.
- Implemented bug bashes for new features both manually and automated.
- Supported QA teams by strategizing test analysis which reduced regression cycles by 22%
- Collaborated with senior colleagues and upskilled 15+ junior Quality Assurance engineers on automation frameworks through group sessions and involving freshers in comprehensive test analysis.

Extra-Curricular Skills

- Chief Event Organizer for the Department of Institution of Engineers (India) student chapter GRIET for the academic year 2018-2019.
- An active member in the **National Service Scheme (NSS)**
- Workshops: Participated in Artificial Intelligence and Machine Learning in Games conducted by the gaming club.

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