**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 securing systems. 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**

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| --- | --- |
| 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**

* 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.
* 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.

**Professional Experience**

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

Responsibilities:

• Analyze the core aspects of the product.

• Prepare test cases and plan test execution in all the Non-EN supported languages.

• Collaborate with development, customers, support, and implementation teams to ensure successful product

launches.

• Set up, maintain and enhance the automated testing frameworks.

• Identify and report defects in the product using JIRA.

• Following the best practices to determine the quality of the product.

• Having a track of new features with the cross functional teams and plan accordingly for tests.

• Conducting the bug bash for new features.

• Worked on both manual and automation testing

**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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