

# Adir Ali Yerima Bryan

[LinkedIn](#) • (678) 428-0436 • [Adiraliyerima@gmail.com](mailto:Adiraliyerima@gmail.com)

---

## EDUCATION

### Information Technology (IT) Pathway

August 2021 – Present

Innovation Academy STEM Magnet High School

GPA: 96/100

- **Relevant Coursework:** Introduction to Digital Technology, Introduction to Cybersecurity, Advanced Cybersecurity, Logistic and Mathematical, CS50's introduction to Computer Science

---

## SKILLS

**Cybersecurity:** CompTIA Security+ Certificate

**Computer Languages:** Python (Intermediate), HTML (Intermediate), CSS (Intermediate)

**Languages:** French (Native), English (Fluent)

**Operating Systems:** Windows (Intermediate), Linux (Intermediate), Kali Linux (Intermediate)

---

## EXTRACURRICULAR

### Raspberry Pi Hackathon

August 2023

- Collaborated with industry leaders from Drone iVue and MantisEdu to develop a drone-based weather data collector system.
- Integrated engineering concept with web development principles to visualize collected weather data on a map.
- Applied design thinking methodologies to incorporate weather sensors into drone technology.
- Tested the system in an outdoor environment, successfully collecting and processing data and precipitation, weather, altitude, humidity, temperature, and pressure through algorithms on a Raspberry Pi.
- Analyzed the collected data, delivered a pitch during a showcase event, and received valuable feedback from industry professionals.

### Zilla Company Improvement Workshop

March 2024

- Collaborated with the CEO and co-founder of Zilla Gigs, a platform empowering teenagers in earning opportunities.
- Gained valuable insights into their entrepreneurial journey, including Volterra Semiconductor LLC's successful public company.
- Proposed a teen-friendly interface with a free trial feature to foster trust between users and parents.
- Received first place recognition for the feasibility and content of the proposed solution, showcasing innovative and problem-solving skills.

---

## ACADEMIC PROJECTS

### Password Management System

September 2024- October 2024

- Conducted Research to analyze the API structure and evolution of various password management systems, gaining insight into industry best practices.
- Implemented basic Python algorithms for encryption and decryption of passwords, a core functionality of password management solutions.
- Prepared a comprehensive presentation to showcase research finding and explore potential enhancements to improve user accessibility.
- Tested the developed system and investigated methods to provide a user-friendly interface beyond the traditional Vs Code IDE used.

### Comparative Study of Deep and Machine Learning in Detecting Phishing Attacks

January 2024 – May 2024

- Developed deep learning model utilizing Convolutional Neural Network (CNN) and Recurrent Neural Network (LSTM) for phishing attacks on a dataset of over 345,000 phishing URLs.
- Achieved 99.25% accuracy with the CNN model and 92.8% accuracy with the RNN-LSTM model in identifying phishing URLs, compared to 99.17% accuracy for a Random Forest classifier.
- Conducted comparative analysis and evaluation of deep learning and machine learning algorithms for phishing detection, contributing valuable insight to cybersecurity research.

---

## ACHIEVEMENTS

- 2x Rise award: Recognized for outstanding willingness to learn, integrity, empathy, and self-motivation November 2024
- Member of Mu Apha Theta: National Mathematics Honor Society December 2022 - May 2023
- Research Scholar Award: Highest average in Scientific independent research in grade level March 2023
- Talented and Gifted Education (TAG): Program participant for 2 years 2023-Present
- College Board National African American Recognition March 2021