Tireni D. Adekoya

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<https://github.com/TireniDavid>

KATY, TX

# Education

*Alabama A & M University* Huntsville, AL

**Bachelor of Science in Computer Science – (**Artificial Intelligence & Cybersecurity)

* GPA: 4.0/4.0, President Medallion
* Presidential & Honors Student

# Skills

* **Technical Skills**: Python, Java Script, Java, SQL, R, C ++, HTML/CSS, MATLAB, MS Office, CAD, R-Prototyping
* **Developer Tools**: Visual Studio Code, Git, PyCharm, IBM Qiskit, Tableau, PowerShell, Docker, LINUX
* **Libraries**: Pandas, NumpPy, Matplotlib, React, Pygame, Beautiful Soup, Angular, Node
* **Frameworks**: React, React Native, Angular, Node, ASP.NET, Flask
* **Languages**: Fluent in English & two other languages

# Relevant Coursework

• Data Structures & Algorithms • Visual Programming (Java) • Web Scraping • Discrete Structures • Object Oriented Programming • UI Design & Web Development • Engineering Programming (MATLAB) • Android Development • Quantum Computing • Computer Aided Design • Embedded Systems

# Projects

**Authenticator App** *Jan 2024 - Present*

* + Architected a user-friendly experience cross-platform Authentication App for iOS and Android through strong cryptography.
  + Implemented robust Multi-Factor Authentication (MFA) with TOTPs and biometrics.
  + Led API integration for seamless communication with backend systems.

**Special Projects Lab -** ***Formula SAE 2023***

* Conducted rapid prototyping for critical components including the master cylinder, brake reservoir, and other hydraulic system elements for formula vehicles.
* Applied in-depth knowledge of mechanical design and fabrication techniques to develop custom brackets, optimizing gas pedal pressure.
* Innovated and designed brake reservoir, mounting brackets, brake pedal, and chain protection system for drivetrain.

**Personal Portfolio** *December 2023*

* + Developed a full -stack portfolio website using HTML, CSS, and JavaScript, Flask showcasing strong front-end & back-end programming skills.

# Work Experience

*Esync Technologies* **|** Alpharetta, GA *Dec 2023 – Jan. 2024*

## Software Development Engineering Intern (Quantum Computing)

* + Successfully completed a self-paced part-time internship program specializing in Python for quantum computing.
  + Acquired in-depth knowledge of IBM's Qiskit and its application.
  + Employed Quantum algorithms, with AI, to classify data and enable more efficient and accurate data categorization.

*AAMU Tutorial Assistance Network* **|** Normal, AL *Jan 2024 – May. 2024*

## Computer Science Tutor

* + Customized teaching approaches based on individual student needs and learning styles**,** resulting in a 25% increasein student performance as measured by improved grades and exam scores.
  + Coached a minimum of 20 students per week**.**
  + Utilized a structured feedback systemto track student progress and identify areas for improvement.

# Extracurricular Activities

***Formula Society of Automotive Engineers (Formula SAE) –*** *Ex- Member, Alabama A & M Jan 2023 - Present*

* + Conceptualized and developed major design initiatives in the powertrain systems, contributing to the overall innovation and optimization of vehicle performance.
  + Actively participated in collaborative efforts, attending meetings, and playing a key role in the design and assembly of critical components within the brake and steering systems, emphasizing safety and performance enhancements for Formula SAE 2023.

***Data Science Club @ AAMU*** *– Member, Alabama A & M Jan 2024 - Present*

* + Collaborating on projects, attending workshops, and actively engaging in knowledge-sharing sessions within the Data Science Club at Alabama A&M to advance skills and understanding in data science.