# ABDULLAI SAEED

3864506318 || asaeed1@stetson.edu || www.linkedin.com/in/abdullai-saeed || Github

## EDUCATION

**Stetson University**                                                                                                    **Graduate 2027**
*Bachelor of Science, Computer Science*                                                                     **Deland, FL**
*Relevant Coursework*: Data Structures & Algorithms, Object Oriented Programming, Calculus I & II, Foundations of Applied Computer Science, Discrete Mathematics, Spanish
*Involvement:* National Society of Black Engineers, Codepath, Colorstack, Center for Public Opinion Research, Stetson Soccer Club

## WORK EXPERIENCE

**MTN Group Inc -** Ghana                                                                        November 2022 – February 2023
*Software Engineering Intern*

- Integrated RESTful APIs using Node.js and Express.js for a React Native mobile application, facilitating features like user authentication, payment processing, and user profile management
- Transformed design mockups into React Native interfaces, developing content browsing screens, scheduling features, and transaction interfaces
- Wrote reusable code to analyze Ghana's economic KPIs using pandas and numpy, resulting in a 45 percent reduction in data processing time.
- Developed data visualization models using Chart.js, matplotlib and transaction data to aid in Q3 Forecasts, for 10+ team members

**HackStartISO(StartUp),** Software Engineer & UI/UX Designer                          February 2024 - present

- Designing and developing a cross-platform solution that leverages innovative technologies to deliver a comprehensive learning management system tailored to the specific needs of International students and educators.
- Using Figma to design user-friendly interfaces, conducting user studies and data analysis, and implementing React for the front end along with Django for the backend, while employing Git for version control.

**Stetson University**                                                                                     December 2023- present
*Residential Assistant*

- Selected as part of a team of resident assistants at Stetson University, addressing student concerns, enforcing dorm policies, and enhancing safety for a community of 15 residents.
- Ensured exemplary cleanliness in supervised dorms by conducting bi-weekly inspections resulting in a 90% reduction in contraband incidents and improving living standards.
- Organized monthly interactive activities for dorm members, fostering an inclusive environment increasing student participation by 20% and improving overall residential well-being.

**Stetson University,** *Computer Science Department*                                       January 2024- March 2024

- Built a robust fieldable data processing and analyzing android app using Java
- Programmed the communication system between the FPGA board and the android system for data transfer
- Implemented a File Writer class for storing of the data on the android device

## SKILLS AND PROJECTS

**Technical:** Python, Java, C/C++, MATLAB, VHDL, JavaScript, React Native, MySQL, RESTful APIs
**Languages:** English, French, Ghanaian Language - Hausa (Native), Akan (Native)

## PROGRAMMING PROJECTS

**INIT FIU ShellHack, Miami, Facial Recognition** | *Python, OpenCV, HTML & CSS*

- Innovated an existing facial recognition solution by integrating Python and OpenCV to develop an optimized program leveraging open source software
- Streamlined the recognition process to efficiently handle high-resolution images, resulting in a 15% faster processing time without compromising accuracy and errors
- Achieved a coveted honorable mention from Google out of 9 participants at the competitive event.

**Climate Change Website**

- Engineered a full-stack web application using Flask and SQLAlchemy that educates users on climate change through quizzes.

**Campus Pathfinder** (Python)

- Implemented a program using BFS and Dijkstra's algorithm to find the shortest path between two locations on the Stetson campus.

## LEADERSHIP AND PROFESSIONAL DEVELOPMENT

**Black Homeschoolers of Central Florida**| *Bonner Foundation*

- Encourage students in grades K–12 to attend college and pursue technical degrees by developing and implementing innovative programs from hands-on experiments to interactive sessions with industry professionals.
- Serve as a mentor to students in grades K-12 that have an interest in pursuing STEM in college.
- Improved data collection by creating custom Typeforms, yielding a 200% increase in our user database