

AMEENA MOHAMMED

Tampa, FL • 754-(308)-0269 • ameenam@usf.edu • [linkedin.com/in/ameenamohammed](https://www.linkedin.com/in/ameenamohammed) • github.com/ameenam2/ • <https://ameenam.com/>

EDUCATION

University of South Florida

Tampa, FL

Bachelor of Science in Computer Engineering

December 2024

- Relevant Coursework: Software Engineering, Programming Concepts, Program Design, Introduction to Discrete Structures, Analysis of Algorithms, Computer Organization, Computer Architecture, Computer Logic and Design, Operating Systems
- GPA : 3.34

SKILLS & CERTIFICATIONS

Languages: HTML, CSS, C, C++, Python, JavaScript, Swift, Java, MATLAB, Verilog HDL, VHDL, RISC-V, SQL

Development Tools: React, Linux, TinkerCAD, Ruby on Rails, Xcode, Git, Arduino, Cadence Virtuoso, Xilinx Vivado

Certifications: [CodePath](#) Certificate in iOS Development (January 2022 - May 2022)

RELEVANT EXPERIENCE

General Dynamics

Phoenix, AZ / May 2023 - Aug 2023

Software Engineering Intern

- Designed and implemented a Python program using the Smartsheet API to automate data processing, ensuring real-time updates and reducing errors in project documentation.
- Enhanced decision-making processes for management by creating a standardized method for evaluating software and hardware, ensuring the display of clear, reliable data for informed choices.
- Developed a data validation feature that ensured 100% accuracy in entries, minimizing errors in team presentation.

The SEES Lab at USF (Research for Secure, Efficient, and Evolvable Computer Systems) Tampa, FL / May 2022 - Aug 2022

Undergraduate Research Assistant

- Analyzed and compared emerging techniques for verifying the robustness of deep neural networks.
- Coordinated the development of machine learning models using Python and TensorFlow to support neural network verification tools.
- Presented findings to the research team, highlighting advancements in secure machine learning frameworks.

PROJECTS

[Assist-A-Bull](#) – Disability Assistant App (Team of 4)

Jan 2024- May 2024

- Collaborated with a team of students in developing accessible features, including audio-to-text and text-to-audio functions, resulting in improved usability for visually impaired users.
- Integrated Microsoft Azure services, enabling real-time speech recognition and cloud-based data management.
- Designed user-friendly interfaces using Figma catered to specific disabilities, ensuring seamless navigation for users with disabilities.

[Twitter Clone](#)

Feb 2022

- Created an IOS application that used the Twitter API to display the Twitter timeline.
- Retrieved the Twitter Database Application Programming Interface (API) that fetches information about a specific tweet on the timeline.
- Ensured users could create a tweet, refresh their feed, and retweet and like other users' tweets.

LEADERSHIP & ACTIVITIES

G3 LIFE Applications

August 2023 - May 2024

After School Care Coordinator

- Managed classroom dynamics, supporting academic growth for 20+ students, leading to a 50% increase in average homework completion rates.

National Society of Black Engineers at USF

August 2021 - Present

Treasurer (Aug 2023- May 2024)

- Managed a \$5,000 annual budget, securing \$5,000 in additional funding through corporate partnerships.

Pre-Collegiate Initiative Chair (Aug 2022- May 2023)

- Organized 10+ outreach events, inspiring interest in STEM fields among 100+ K-5 students.

Membership Chair (Jan 2022 – May 2022)

- Implemented a tracking system for 25+ members, increasing attendance by 20% at monthly meetings.