TAHMID AHMED

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EDUCATION

University of South Florida, Tampa, FL   **Expected Graduation: May 2024**
B.S. in Computer Science   **GPA: 4.0**
Relevant Courses: Data Structures & Object-Oriented Programming (C++), Programming Concepts(Python), Program Design (C)
Achievements: USF Green and Gold Presidential Awards, USF Deans List (Fall 2020-Spring 2022)

SKILLS

- **Languages and Technologies**: C++, C, Python, JavaScript, React JS, Node JS, Express JS, React Native, Redux, MySQL, Firebase, MongoDB, HTML, CSS, Git, GitHub

EXPERIENCE

- **Teaching Assistant, USF Department of Computer Science**   *August 2022- Present*
  - Organized office hours to help students with programming projects in C, debugged programming projects and provided lessons to clarify understanding of Program Design in a class of 100+ students.
  - Worked with a team of 6 Teacher Assistants to grade programming projects and exams

PROJECTS

- **Hopeless-less,** *Web Application and Mobile application—ShellHacks,2022*   *September 2022*
  - Collaborated in a team of 4 to develop community service applications designed to strengthen the relationship within a neighborhood by connecting users with their neighbors using **ZipCodeAPI**
  - Contributed to the creation of Mobile application with frontend **React Native (JS)** and backend **Firebase** with the UI designed using **Figma**.

- **Debug this meme**, *MERN Stack Web App and Mobile application*   *July-August 2022*
  - Built and designed a Full-Stack social media web application as well as mobile application dedicated for programmers to create and share programming-related memes/puns
  - Developed the web application using **React** working as the front end and implemented authentication using **Context API** while storing and retrieving data from **MongoDB** managed through a **RESTful** API that is designed by **NodeJS** and **ExpressJS** to serve as the backend with functionality verified through **Postman**
  - Developed mobile application using **React Native**, making use of several React Hooks and third-party libraries and integrated it with **Firebase** Authentication, Firestore and Storage.

- **Uber Eats Clone App,** *Mobile Application*   *May 2022*
  - Cloned the user-side of the Uber Eats app where user can look through restaurants in their city and order their favorite food
  - Designed and developed using **React Native** with a search location feature connected to **GooglePlacesAPI** to generate auto suggestions. Integration of the search feature with **Yard API** calls pulls out a list of restaurants in   the selected city
  - Implemented add-to-cart feature using **Redux** and uploaded the order details into Firebase **Firestore**

- **MuzlemBot,** *NodeJS Discord Bot Application*   *April 2022*
  - Created a Discord Bot Application using **NodeJS** which attends to the regular informational needs of the Muslim community. Web-scraped several blog pages using **Cheerio JS** and stores data in **MongoDB** alongside allowing users to perform **CRUD** operations from the discord chat

- **Other projects-** *Instagram Clone App, Light and Sound Memory Game*

ACTIVITIES & CLUBS

- ShellHacks, Miami, FL   *September 2022*
- ICPC, North America Regionals, Miami, FL   *March 2022*
- Hackabull, USF   *March 2022*
- Society of Competitive Programmers, Active Participant   *March 2021- Present*
- Muslim Student Associations USF, Executive Officer   *August 2022-Present*