Tariq Gafar

(804)502-5185 | gafarta@vcu.edu | linkedin.com/in/tariqgafar | github.com/Tariqgafar21

EDUCATION

Virginia Commonwealth University   **Expected May 2025**
Bachelor of Science in Computer Science   *Richmond, VA*
GPA: 3.30
Relevant Coursework: Object Oriented Programming and Data Structures | Computer Systems | Computer Organization | Theory of Computation | Data Communication and Networking | Programming Languages

EXPERIENCE

Undergraduate Research Assistant   **Aug 2023 – Present**
Virginia Commonwealth University   *Richmond, TX*
- Led research on end-user programming barriers in ABB Easy Programming for ABB industrial robots while managing experiments, data collection, and advanced analysis
- Assessed programming challenges for end-users with collaborative robots, in both physical and simulated ABB RobotStudio environments
- Systematically collected and analyzed user data in ABB Easy Programming, documenting barriers, troubleshooting, and insights via surveys and real-time support on Slack

Android Engineer Intern   **Jun 2023 – Aug 2023**
Match Group   *Dallas, TX*
- Significantly contributed to the collaboration in developing Android applications which was instrumental in the success of popular apps like BLK, Chispa, and Upward resulting in 7 million downloads
- Leveraged Java and Kotlin to implement architectural patterns such as Model-View-Intent and Model-View-View Model providing interactive interfaces that significantly increased user experience
- Streamlined data exchange between front and backend systems via API integration and managing networking calls for Match Group applications while increasing operational efficiency by 15%

PROJECTS

NSBE@VCU Android Application | *Java, Kotlin*   **June 2023 – Present**
- Spearheaded the development of the NSBE@VCU Android app using Kotlin and Java implementing the MVVM architectural pattern with Android Jetpack components for seamless functionality
- Enhanced user experience by following Material Design guidelines, creating visually appealing XML layouts, and ensuring code quality through comprehensive unit testing with JUnit
- Integrated Firebase and utilized Retrofit libraries for efficient network communication with the NSBE@VCU server, facilitating real-time data retrieval and updates, including user registration

Website Portfolio | *HTML, Java Script, CSS*   **Apr 2023 – May 2023**
- Utilized advanced CSS and HTML techniques to create an engaging portfolio, while effectively showcasing a diverse range of technical skills and accomplishments
- Employed responsive design and front-end frameworks, adhering to best practices while demonstrating expertise in CSS for visually appealing layouts with optimized accessibility

TECHNICAL SKILLS

Languages: Java, C, Kotlin, Pyhton, JavaScript, HTML, CSS
Frameworks/Technolgoies: React, Node.js, JUnit, Postman, Git, AWS

ACTIVITIES/ORGANIZATIONS

Treasurer, NSBE   **Sep 2023 – Present**
- "Managed financial operations, budgeting, and fundraising with a team, increasing resources by 10%. Mentored new members, improving their financial skills."