Anika Tahsin Chowdhury Simi

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SUMMARY

I have honed my skills in Algorithms and Data Structures, and gained recognition through my participation in numerous national Programming Contests. In my professional career, I ventured into iOS development and worked on Samsung's iOS applications such as Samsung Galaxy Wearable and SmartThings. Although I primarily focused on front-end development, I have a keen interest in learning about the backend and its inner workings. I thrive on learning new technologies and finding creative solutions to complex challenges. I also enjoy exploring new places and meeting new people. My expertise includes Swift, Software Development Life Cycle, Git, Agile Methodologies, C++, Algorithm and Data Structure Design, as well as Design Patterns and Principles.

TECHNOLOGIES AND LANGUAGES

- **Programming Languages:** Swift, C/C++, Familiar with Java.
- **Technology:** iOS Application Development, Xcode, Git, Agile Scrum, SQL.
- **Others:** Problem Solving, Algorithms and Data Structures.

WORK EXPERIENCE

Software Engineer	Samsung R&D Institute Bangladesh	Apr 2019 — Aug 2022

- Contributed to the development and improvement of the Samsung SmartThings Scan Nearby feature, resulting in increased user satisfaction and onboarding efficiency.
- Developed Backend Drived UI and implemented new features of UI Screens for the Samsung Galaxy Wearable, which includes the ability to connect to mobile devices and facilitate data backup and restoration using Samsung Account.
- Adhered to Test-Driven Development practices to increase code stablity and making less bug free.
- Improved and fixed bugs in the SmartThings Help Card, enhancing the user experience.
- Successfully applied refactoring techniques to significantly reduce the Cyclomatic and Cognitive Complexity of the SmartThings codebase, resulting in improved code quality and maintainability.
- Demonstrated strong independent problem-solving skills by developing UI and Utility modules and writing Unit tests for the Samsung Galaxy Wearable and SmartThings projects.

PROJECTS

- **Noughts and Crosses:** Designed and developed an Android Noughts and Crosses game using Java and Android SDK. Implemented a fixed-depth minimax artificial intelligence algorithm to enable single-player mode, allowing players to compete against a computer opponent..
- **iBooks:** iBooks is Developed using Swift in Xcode. The app is to showcase of Backend-Driven UI implementation, used mock-server to fetch book list and details, with handling exception occurences..

EDUCATION

Leading University, Sylhet, Bangladesh	Oct 2016 — Mar 2019
Bachelor of Science - Computer Science and Engineering	

Sylhet International University	Apr 2014 — Oct 2016
Bachelor of Science - Computer Science and Engineering	

AWARDS

328th place at Google Code Jam to I/O for Women, Google	Aug 2018
10th Place at DIU National Girls Programming Contest, Daffodil International University	Aug 2017
9th - NSU IUGPC 2018, North South University	Apr 2018
23rd LU National ICT Fest Programming Contest, Leading University	Dec 2018
NSU Inter University Girls Programming Contest, North South University	Apr 2018