

Anika Tahsin Chowdhury

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SUMMARY

As a passionate problem solver, 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 C++, Swift, Software Development Life Cycle, Algorithm and Data Structure Design, as well as Design Patterns and Principles.

TECHNOLOGIES AND LANGUAGES

- **Programming Languages:** Swift, C/C++, 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
<ul style="list-style-type: none">◦ Contributed to the development and improvement of the Samsung SmartThings Scan Nearby feature, resulting in increased user satisfaction and onboarding efficiency.◦ Developed Backend Driven 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 stability and making less bug free.◦ Improved and fixed bugs in the SmartThings Help Card, enhancing the user experience.◦ Implemented refactoring techniques to decrease the Cyclomatic and Cognitive Complexity of the SmartThings codebase.◦ 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:** Developed Noughts and Crosses games for Android using Java and Android SDK. Implemented fixed-depth minimax AI to allow single-player to play 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 occurrences..

EDUCATION

Leading University, Sylhet, Bangladesh Bachelor of Science - Computer Science and Engineering	Oct 2016 — Mar 2019
Sylhet International University Bachelor of Science - Computer Science and Engineering	Apr 2014 — Oct 2016

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