

# Sabbir Ahmed Saqlain

iOS Developer | Data Security Researcher

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LeetCode: [leetcode.com/u/Saqlain\\_Ahmed](https://leetcode.com/u/Saqlain_Ahmed)

## Objective

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Leverage 4 years of iOS development experience and 3 years of research in cloud data security and cryptography to design and deliver secure, scalable, and user-centric technology solutions. Skilled in encryption protocols, key management and secure software development, aiming to strengthen organizational cybersecurity posture.

## Education

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### New Jersey Institute of Technology (NJIT)

Jan 2023 – Dec 2025(expected)

Newark, NJ, USA

Master of Science in Computer Science (GPA: 3.92/4.0)

**Thesis:** Cloud Data Security and Blockchain

**Coursework:** Data Structures and Algorithms, Cryptography, Big Data, Machine Learning, Advanced Machine Learning, Trusted Computing & Architecture

### Rajshahi University of Engineering and Technology (RUET)

Jan 2015 – Aug 2019

Rajshahi, Bangladesh

Bachelor of Science in Computer Science and Engineering (GPA: 3.48/4.0)

**Coursework:** Data Structures and Algorithms, Data Mining, Neural Networks, Database Systems, Software Engineering

## Experience

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### Optimizely — Software Engineer II

Sep 2022 – Dec 2022

- Delivered a B2B commerce mobile application
- Collaborated with analysts to translate requirements into technical solutions
- Testing, documentation, and user support
- **Tech Stack:** iOS, Xamarin, C#.

### UAPY – UCB Fintech Company Ltd. — Software Engineer

Jul 2021 – Aug 2022

- Developed UPAY, a mobile financial app with 1M+ active customers
- Swift with MVVM-C design pattern
- CI/CD pipeline improvements, enhancing deployment efficiency
- Built scalable iOS solutions for payment processing and user authentication

**Brain Station 23** — Associate Software Engineer Sep 2019 – Jul 2021

**Citytouch (The City Bank Limited)**

- Refactored and optimized the flagship digital banking app
- Rewriting ~40% of Objective-C codebase to improve stability and scalability
- Integrated hundreds of backend APIs serving thousands of users

**UNET Enterprise Banking (UCBL)**

- Enterprise banking solution for corporate clients
- Implementing secure transaction flows and backend REST API integration

**UCB UNET (UCBL)**

- Developed a retail mobile banking app in Swift
- Custom design pattern for efficient UI/UX performance

**AB Direct Internet Banking (AB Bank)**

- iOS app in Objective-C using the MVVM design pattern
- REST APIs for backend connectivity

**Modhumoti Digital Banking**

- MVVM design with XIB-based custom UI components
- REST APIs for real-time account services

**Tech Stack:** Swift, Objective-C, MVVM/MVVM-C, REST APIs, WebRTC, XMPP, WebSocket, Google Maps

## Research Projects

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**Hybrid Blockchain Access Control System | NJIT** Jan 2023 – Dec 2025

- Designed a hybrid blockchain–cloud storage architecture for supply chain data
- Implemented decentralized access control with real-time revocation
- Enhanced system performance to handle large-scale data securely
- Tools: Ethereum, Hyperledger Fabric, MySQL, Docker, AWS

## Skills

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- iOS Development: Swift, SwiftUI, Objective-C, MVVM-C, MVC, Xcode, REST APIs, CI/CD
- Programming: Go, Python, C/C++
- Blockchain & Security: Hyperledger, Ethereum, Access Control, Cloud Storage
- Machine Learning: TensorFlow, Keras, OpenCV, NumPy
- Tools: GitHub, Bitbucket, GitLab | Agile/Scrum

## Others

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- Publication: IEEE- Malicious Android Application Detection Using ML Aug 2019
- Internship: Microsoft Young Bangla Apr 2018(3 Days)
- Hobbies: Traveling, Photography, Movies