

Sajjad Hossain Talukder

E-Mail: sajjadhossain.cse35@gmail.com
Phone: (+880) 18 71-15 60 68
LinkedIn: Sajjad-Hossain-Talukder
GitHub: Sajjad-Hossain-Talukder



Education

Premier University
BSc in Computer Science & Engineering

Chittagong, Bangladesh
Jan. 2019 – Dec 2024

Experience

Software Engineer
Silicon Orchard Ltd.

Sep. 2024 - present
Dhaka, Bangladesh

- Develop and maintain iOS (Swift) and cross-platform (React Native) applications with a focus on performance and usability.
- Collaborate with backend teams to integrate APIs, optimize performance, and implement seamless UI/UX designs.
- Debug, test, and deploy applications while ensuring best coding practices and smooth feature development with product teams.

Software Engineer (iOS)
Xotech

Mar. 2024 - Sep. 2024
Chittagong, Bangladesh

- Developed and maintained AI-based iOS applications in collaboration with the UI/UX team.
- Built and managed backend services using PHP (Laravel) and created API services for mobile apps.
- Led the full app lifecycle, from development to deployment, including App Store submission and review handling.
- Optimized app performance, implemented AI-driven features, and conducted thorough testing/debugging.

Intern
Xotech

Dec. 2023 - Mar. 2024
Chittagong, Bangladesh

- Gained hands-on experience in iOS development with Swift and Xcode, focusing on clean architecture, best practices, debugging, testing, and performance optimization.
- Collaborated with the UI/UX team to implement designs, enhance user experience, and develop iOS applications under mentorship.

Projects

AI Video Translator - DUB it! — *Swift, UIKit, AVFoundation, Realm, AI-based Video Dubbing Services, RevenueCat*

- Built an AI-powered dubbing app that translates videos into multiple languages with lip-synced speech.
- Integrated voice cloning and support for videos from YouTube, gallery, and camera.
- Implemented a credit system with RevenueCat and managed user data using Realm and a custom backend.

VIDU—AI Video Maker — *Swift, UIKit, AVFoundation, Realm, AI-based Video Generation Services, RevenueCat*

- Designed an iOS application that creates videos from textual input and images using AI services.
- Integrated **AVFoundation** for video processing and rendering.
- Published the app on the App Store, ensuring a seamless user experience.

AI Art : AI Image Art Generator — *Swift, UIKit, AdMob, Lottie, Realm, RevenueCat*

- Developed an iOS application that leverages artificial intelligence to generate and enhance digital artwork.
- Designed and implemented a user-friendly UI/UX using **Swift** and **UIKit**.
- Published the app on the App Store and ensured compliance with Apple's guidelines.

SmartWeight : Digital Weight Machine with Object Detection — *Raspberry Pi, Python, OpenCV, MySQL, PHP-Laravel*

- Built an intelligent weighing system that detects and identifies objects using **OpenCV**.
- Integrated **HX711** weight sensor with Raspberry Pi to accurately measure object weights.
- Developed an invoice generation system linked to a background database.

University Academic Information System (UAIS) — *PHP-Laravel, MySQL*

- Designed a full-stack system to manage student records, course enrollments, and faculty data.

Automated Attendance Management — *Python, OpenCV, CNN*

- Developed a facial recognition-based attendance tracking system using **CNN** that provides real-time attendance logging for faculty members.

Technical Skills

- **Programming Languages, Frameworks & Libraries** : Swift, SwiftUI, Javascript, React Native, Python, C, C++, PHP-Laravel, SQL(MySQL), HTML/CSS, OpenCV, NumPy
- **Developer Tools** : AWS, Git, GitHub, Bitbucket, PostMan, Cursor, VSCode, XCode, Figma
- **Interested Areas** : Competitive programming, iOS, AI/ML/DL, Blockchain, Web 3.0, XR/AR/VR technology, Quantum Computing

Online Judges Handle

- **Codeforces** [handle: SajjadHuseyn]
Solved 1000+ problems.
Max Rating: 1417 (Specialist)
- **Codechef** [handle: sajjadhuseyn.t]
MaxRating: 1721 (3 star)
- **Leetcode** [handle: Sajjad Hossain Talukder]
- **LightOJ** [handle: Sajjad Hossain Talukder]
- **TOPH** [handle: SajjadHT]

Achievements

- **ICPC & NCPC**

- ICPC Asia West Championship, 2022 Finalist [Team - PUC Eternals]
- 52nd out of 162 teams in ICPC Dhaka Regional 2022 Main Round [Team - PUC Eternals]
- 78th out of 224 teams in ICPC Dhaka Regional 2023 Main Round [Team - PUC Eternals]
- 76th out of 2481 teams in ICPC Dhaka Regional Online Preliminary 2023 [Team - PUC Eternals]
- 84th out of 1648 teams in ICPC Dhaka Regional Online Preliminary 2022 [Team - PUC Eternals]
- 93rd out of 165 teams in ICPC Dhaka Regional 2021 Main Round [Team - PUC Eternals]
- 106th out of 1747 teams in ICPC Dhaka Regional Online Preliminary 2021 [Team - PUC Eternals]
- 141st out of 162 teams in MIST NCPC 2020 [Team - PUC Noob Coders]

- **Inter University Programming Contest (IUPC)**

- Participated in numerous IUPC events, including BUET IUPC, CUET IUPC, representing teams such as PUC Eternals and PUC Gryffindor's.

- **Merit-Based Scholarship**

- Recipient of Merit-Based Scholarship at Premier University

Publication

Title	Empowering Bengali Language in Drone Control with Artificial Neural Networks
Conference	11th International Conference on Informatics, Electronics & Vision (ICIEV) & 6th International Conference on Imaging, Vision & Pattern Recognition (IVPR)

Organizations

IEEE , Member	Jan 2023 – Dec 2023
PUC CSE Club , CP Trainer and Manager	Jan 2021 – Dec 2023
PUC Robotics Club , Program Secretary	Jan 2022 – Dec 2022
Rotaract Club of Chittagong Commercial City , Member	Jan 2020 – Dec 2022

Personal Information

Date of Birth	Dec 19, 1998
Gender	Male
Marital Status	Unmarried
Address	Bahaddarhat, Chandgaon, Chattogram, 4212
Nationality	Bangladeshi
Religion	Islam
Languages	English, Bengali (Fluent)
Hobbies	Travelling, Reading Books

Declaration

I hereby declare that the information provided in this CV is accurate and complete to the best of my knowledge.

Date:

Signature: 