

TAWHID MONOWAR

+880 1796-938534 | tawhidmonowar@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SKILLS

- C++, Java, Kotlin, Python, SQL, Android Development, Jetpack Compose, XML, Compose & Kotlin Multiplatform (KMM), Firebase, SQLite, RESTful APIs, Git, GitHub, Agile, Unit Testing, Web Scraping.

PROJECTS

RadioWave: Android & iOS Application ----- [Project On GitHub](#)
A **cross-platform** internet radio player app with over **50,000 global stations** & real-time song recognition.

- Built with **Kotlin Multiplatform** and **Compose Multiplatform**, supporting **Android** and **iOS**.
- Developed **real-time song recognition** with automatic display of track **metadata** and station details.
- Integrated **Radio Browser API**, background playback, volume control, and **Light & Dark theme**.
- **Technologies:** Ktor, Koin, ExoPlayer, AVPlayer, SQLite, Coil & **MVVM** + Clean Architecture.

ReadOut: Android & Desktop Application ----- [Project On GitHub](#)
A **cross-platform** app for discovering books, streaming audiobooks, & generating **AI-powered** summaries.

- Built with **Kotlin Multiplatform** and **Compose Multiplatform**, supporting **Android & Desktop**.
- **Recognized in Kotlin Multiplatform Contest** with a high ranking for **exceptional code quality**.
- Implemented **Open Library & LibriVox API** to access **28M books** and over **20,000 audiobooks**.
- Integrated Gemini API for **AI-powered book summary** & Google Cloud Text To Speech API for TTS.
- **Technologies:** Ktor, Koin, REST API, ExoPlayer, VLCJ, SQLite, Coil & **MVI** + Clean Architecture.

EmptyClassroom: Web Application ----- [Project On GitHub](#)
A web application designed to help students at **Metropolitan University** to find available empty classrooms.

- **Identified a problem** that students face in finding **empty classrooms** at Metropolitan University.
- Developed a **web app** to help students **easily find empty classrooms** for meetings and group study.
- Implemented an admin dashboard to upload Excel class schedules directly to the database with one click.
- **Technologies:** PHP, MySQL, Laravel.

WebCapture: Android Application ----- [Project On GitHub](#)
An Android app that **converts web pages into a PDF** for easy offline reading, sharing or saving for future use.

- Implemented features like YouTube video **thumbnail downloader**, metadata, and hashtag extraction.
- This app has been **downloaded over 3900 times**, and has **received over 100 stars on GitHub**.
- **Technologies:** Java, XML, YouTube API, OkHttp, Material3.

CERTIFICATIONS

Python Programming & Basic Data Science - ICT Division ----- [Show Credential](#)

- Developed skills in **Python** (Pandas, NumPy), data analysis/visualization, and **basic ML** (scikit-learn).
- Duration: 4 months (Offline Course, Organized by **Shahjalal University of Science & Technology**).

Android App Development - Bohubrihi ----- [Show Credential](#)

- Learned **Android development** with Java/Kotlin, focusing on **MVVM/MVI & Clean architecture**.
- Gained hands-on experience in **UI/UX design, REST API integration, and third-party libraries**.

ACHIEVEMENTS

Champion - Intra MU Junior Programming Contest (2022) ----- [Show Award](#)

- Secured **1st place** among junior participants at Metropolitan University's internal programming contest.

First Runner Up - Robo Fest 2.0 - MU Robotics Club ----- [Project On GitHub](#)

- Achieved **2nd place** in a robotics competition organized by the MU Robotics Club.
- Built and programmed an autonomous robot to complete a series of challenges, the project demonstrated **teamwork, problem-solving and embedded systems** expertise.

ACTIVITIES & VOLUNTEERING

Programming Profiles: ----- [LeetCode](#) | [HackerRank](#) | [Codeforces](#) | [StopStalk](#)

- Solved over **1000 programming problems** on various online judges. Codeforces (max. rating: 1120)
- **Participated in various online, onsite and ICPC contests.**

Open Source Maintainer: [OneDroid](#) ----- Jan 2025 - Present

- **Maintain and contribute to open-source apps**, overseeing design, coding, and deployment.
- Manage GitHub repositories, including version control, issue management, and collaboration with others

Project Coordinator: *Metropolitan University Robotics Club (MURC)* ----- Sep 2024 - Apr 2025

- Assisted students in building and **developing robotics projects**, guiding them through each phase.
- Organized and coordinated workshops and events, overseeing logistics and ensuring seamless execution.

Programming Workshop Instructor: *Metropolitan University* ----- Feb 2022 - Apr 2025

- Conducted "**Introduction to Programming**" workshops for freshers.
- Taught basic programming concepts, problem-solving skills, and provided hands-on coding exercises to help students develop a solid programming foundation.

EDUCATION

Metropolitan University | Sylhet, Bangladesh ----- May 2021 - April 2025

BSc. in Computer Science & Engineering

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Microprocessor, Computer Networks, Machine Learning, Artificial Intelligence, Mobile App Development, Software Engineering, User Experience/User Interfaces Design, Database Management System, Object-Oriented Programming.