Md. Wahid Tawsif Talha

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OBJECTIVE

Motivated Software Engineering student with a strong foundation in OOP, data structures, and software development, currently interning remotely in software and app engineering. Seeking opportunities in software development to build reliable, user-friendly applications using Java, JavaFX, and modern web technologies, while continuing to grow through hands-on, real-world projects.

EDUCATION

B.Sc. in Software Engineering—2nd Year, 2nd Semester | CGPA: 2.72 / 4.00
Green University of Bangladesh

Higher Secondary Certificate (HSC) — ScienceGPA: 4.75 / 5.00
Government Science College

Secondary School Certificate (SSC) — ScienceGPA: 5.00 / 5.00
Darunnajat Siddikia Kamil Madrasah

EXPERIENCE

Remote Intern — Software & App Engineering [October, 2026] – Present
Youth School for Social Entrepreneurs (YSSE)

- Contributing to the development of the **YSSE Alumni Directory**, a full-stack web application designed to connect alumni and facilitate professional networking.
- Developing and integrating web features using **React, TypeScript, Node.js, Express.js, PostgreSQL, and Prisma ORM**.
- Working on backend architecture, RESTful API integration, database management, and user authentication.
- Collaborating with team members through **Git and GitHub** for version control, code management, and collaborative development.

RELEVANT COURSEWORK

Data Structures & Algorithms, Object-Oriented Programming, Discrete Mathematics & Introduction to Software Engineering.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, HTML, MySQL
- **Concepts:** Object-Oriented Programming, Data Structures fundamentals, Algorithms, Database & Software Requirement Engineering
- **Tools:** Git, GitHub, Maven, IntelliJ IDEA, CodeBlocks, VS Code

PROJECTS

Radar Target Tracking Simulator | *Java, JavaFX, Maven, OOP* | Radar Target Tracking Simulator

- Built a JavaFX-based desktop simulation of a radar target tracking and interception workflow for aircraft, drone, and missile targets.
- Implemented automatic target authorization, a multi-level threat assessment system (LOW/MEDIUM/HIGH/CRITICAL), and interceptor deployment logic.
- Applied core OOP principles including inheritance, polymorphism, encapsulation, and composition across the target, interceptor, and command-centre classes.

Smart Library Management System | *Java, JavaFX, Maven, OOP* |Smart Library Management System

- Developed a JavaFX-based Smart Library Management System using Java, Maven, and a service-layer OOP architecture.
- Implemented file-based data persistence, animated authentication flow, and light/dark theme switching for an enhanced user experience.
- Configured a GitHub Actions CI/CD pipeline to automate builds and generate native macOS and Windows installers using jlink and jpackage.
- Applied object-oriented design principles to create a modular, maintainable, and scalable desktop application.

CERTIFICATIONS & TRAINING

- Presentation and Public Speaking Course — Ten Minute School (2022)