

# Muhammad Badrul Alom Tawtsyat

## Software Engineer

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I'm a Bangladesh based Frontend Developer and a Competitive Programmer with a goal-driven creative mindset and passion for learning and innovating. In order to start my career and use my theoretical knowledge and skills in Frontend development, problem-solving, and teamwork, I'm looking for a challenging Frontend Developer position in a dynamic and innovative company. In this role, I will be able to design, develop, and maintain high-quality software systems, advance my professional development, and help the company succeed.

## Skills

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- **Expertise:** React, Node JS, Bootstrap-5, JavaScript, Flutter, Dart, Java, C, C++, Python, HTML5, CSS3, Fortran.
- **Database:** MongoDB, Firebase, MYSQL.
- **Familiar:** TypeScript.
- **Tools:** GitHub, VS Code, Android Studio, Photoshop, Figma.

## Projects

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### Code Compass

[Live Link](#) [Github](#) [Documentation](#)

This MERN project aims to build a platform for users to enhance competitive programming skills through personalized learning, integrating various online judge platforms.

**Main Functionalities :** Registration and login system, profile management, Course catalog with detailed course descriptions, Quizzes and assessments, Responsive design, Online code editor, Compilation and execution of code in the browser, Support for multiple compilers and interpreters, Error messages and debugging assistance, API for integration with external tools and services

**Front-End :** React.js, Javascript, Typescript, HTML, CSS.

**Back-End :** Firebase, MongoDB, Python, Flask.

**Tools :** GitHub, VS Code.

### Smart School

[Live Link](#) [Github](#) [Documentation](#)

The system aims to streamline course management, ensuring secure access and efficient academic record management for students, teachers, and administrators.

**Main Functionalities :** User Authentication and Authorization, Secure login for students, teachers, and administrators, Role-based access control to ensure appropriate permissions, Online student profiles with academic records, Attendance tracking and reporting, Gradebook for teachers, Course Management

**Front-End :** React.js, Javascript, HTML, CSS.

**Back-End :** Django, Python.

**Tools :** GitHub, VS Code.

### Commodities Exchange App

[Github](#) [Documentation](#)

A regulated environment where market participants can confidently trade shares and other qualifying financial products with little to no operational risk.

**Main Functionalities :** User Registration and Account Management Using Firebase, Real-time stock quotes and market data using api from dsebd.org , Price charts and performance analysis, Company news, financial reports and analyst recommendations , Real-time financial news updates, Intuitive and user-friendly interface design, Multi-platform accessibility (iOS, Android, etc.).

**Front-End** : Flutter.

**Back-End** : Firebase, MongoDB, Python, Flask.

**Tools** : GitHub, VS Code.

## Uniport

[Github](#) [Documentation](#)

UniPort is a mobile application for the academic community of the Leading University, Sylhet. It is developed by the students of the university. The application is developed using Flutter and Firebase.

**Main Functionalities** : User Authentication and Authorization, Secure login for students, teachers, and administrators, Course schedules, class timetables, and academic calendars, Exam schedules, grades, and transcripts, Report to head sir and many more.

**Front-End** : Flutter.

**Back-End** : Firebase, Heroku.

**Tools** : GitHub, VS Code.

## Competitive Programing

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- Solved 100+ Problems On Codeforces(Max Rating **875**). [Profile Link](#)
- Solved 300+ Problems On VJudge. [Profile Link](#)
- Solved 100+ Problems On HackerRank. [Profile Link](#)

## Education

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**Bachelor of Science**

**Leading University**

*Sylhet, BD*

**01/2020 - 12/2023**

- Major in Computer Science & Engineering (*CGPA* : 3.28)

## Mentorship

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- Has supervised students in the British Curriculum, National Curriculum, IELTS, and English Speaking Students for more than five years.