Md. Meraj Mridha

✉ mdmerajmridha34@gmail.com   📞 +8801997588476   📍 Sylhet, Bangladesh

in [Linkedin](#)   🐙 [Github](#)   🌐 [portfolio](#)

Education

Shahjalal University of Science & Technology,
B.Sc. in Software Engineering

2022-present
Sylhet, Bangladesh

Skills

Languages: JavaScript, Python, SQL, Java, C++, C
Frameworks & Libraries: Node.js, React.js, Express.js, Next.js, Tailwind CSS, Selenium, JUnit, NumPy, Pandas
Databases: MySQL, PostgreSQL, MongoDB
Tools & Technologies: Git, VS Code, XML
Concepts: Object-Oriented Programming (OOP), Design Patterns, Computer Networks (CN), Operating Systems (OS), Data Structures & Algorithms (DSA)

Competitions and Research work

[BdSL Bangla Sign Language](#) ⧉
• Implemented feature extraction and trained SVM/LSTM models on research dataset

[Astrobee Kibo Robot Programming Challenge](#) ⧉
• Contributed to autonomous robot programming using Java

• **[Therap Javafest 2025](#)** ⧉ - Qualified participant
• **[UIHP Farm AI Project](#)** ⧉ - 2nd Runner-up
• **[EDGE Data Science](#)** ⧉ - Certified trainee

Projects

SmartSchool, *React.js, Express.js, MySQL*   *[github/repo](#)* ⧉
- Developed a full-stack school management system using React.js, Express.js, and MySQL. Designed and built an admin panel to manage student/teacher information, track attendance and results, and handle online admissions. Implemented an interactive learning platform and event management.

ICERIE website, *Next.js, Tailwind CSS, Express.js, MongoDB*   *[github/repo](#)* ⧉ | *[live demo](#)* ⧉
- Collaborated on the design and development of the ARCES 2024 project using Next.js. Contributed to feature implementation (navbar, homepage, track page), performed bug fixes, and participated in code reviews. Utilized Git for version control and practiced collaborative software development.

Library Management App, *Java, XML,* Firebase   *[github/repo](#)* ⧉
- Built an Android library application using Java and Firebase. Designed responsive UI layouts with XML. Features include book catalog viewing, advanced search, user authentication, and real-time data synchronization

SkillMate AI Platform, React.js, Spring Boot , Firebase, MongoDB   *[github/repo](#)* ⧉
- AI-Enhanced Learning Management System—Created an intelligent educational platform featuring automated content generation using Spring Boot and MongoDB. Implemented performance-optimized database architecture with text search, compound indexing, and real-time metrics serving educational content with AI-powered recommendations.

FarmAI, Next.js, Tailwind CSS, Express.js, MongoDB   *[github/repo](#)* ⧉
- Developed a comprehensive farm management system using Next.js, featuring scientific cultivation methods, expert advice, management and image upload functionality.

Problem Solving

Solved 400+ problems across multiple platforms using C/C++.   ▯▯ *[Codeforces](#)* ⧉
• Platforms: LeetCode, Codeforces, CodeChef, VJudge
• Consistent practice in Data Structures & Algorithms (DSA)   ◈ *[Leetcode](#)* ⧉

Organizations

[Chokh Film Society (CFS)](#), Vice President   Aug 2025–present
[Tangail Students' Association of SUST](#), General Secretary   May 2023–Nov 2024
[University Innovation Hub Program (UIHP)](#), Campus Ambassador   Nov 2022–present