

Farhan Rabby

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Objective

Aspiring to join Synesis IT as an Associate Software Engineer to learn from a skilled development team and contribute to software solutions while growing in a dynamic environment.

Education

Bachelor of Science (B.Sc.) in **Computer Science and Engineering (CSE)** with a major in **Software Engineering**, East West University, Dhaka, Bangladesh.

Graduation: February 2025

CGPA: 3.22/4.00

Technical Skills

Programming Languages: Java, C++, C.

Version Control: Git.

Databases: MySQL.

Achievements

- **Solved 250+ DSA problems on Beecrowd** [<https://judge.beecrowd.com/en/profile/394075>]
- Qualified in the first round of **National Telco Warfare 2024** (Network War Segment).
- Participant, **FinXcel - An Excel-Based Training & Competition**, East West University Investment & Finance Club, 2023 — Completed advanced Excel workshops and practical exercises, enhancing proficiency in MS Excel for finance and data analysis.

Academic Projects

- **Library Management System** - Designed and implemented most core features: book catalog, search (by title/author/category), and borrowing/return with fine calculation (30 Tk/day) using structs and file handling in a console-based system. [C | Group Project with 2 teammates | Structured Programming Course] — [GitHub/Project Link](#)
- **Scientific Calculator** - Built a Java application supporting basic and advanced scientific operations, demonstrating effective use of object-oriented programming concepts. [Java | Individual Project | OOP Course] — [GitHub/Project Link](#)
- **Infix to Postfix & Prefix Expression Converter** — Built a C++ program to convert infix to postfix and prefix using stack algorithms, handling operator precedence and parentheses, with modular class-based design. [C++ | Individual Project | Data Structures Course] — [GitHub/Project Link](#)
- **FIFA World Cup Database** - Designed and implemented an Oracle APEX-based database system with E-R model, relational schema, and SQL queries/triggers for FIFA World Cup 2022 data management. Contributed 25% to schema design, queries, and system implementation. [Oracle APEX, SQL | 4-Member Group Project | Database Systems Course] — [GitHub/Project Link](#)
- **Mobile Applications Development** - Developed two Android applications using Java:
 - **Lecture Entry App:** Managed local database for storing lecture details. [Lab Assignment Project | Individual Project | Java | Android Studio] — [GitHub/Project Link](#)
 - **Online Bookstore App:** Integrated Firebase for cloud and local database functionalities, enabling efficient user interactions. [Java | Mobile Programming Course | Android Studio] — [GitHub/Project Link](#)