

MD ROBIUL ISLAM

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Rajshahi, Bangladesh

Summary

A motivated Computer Science undergraduate with strong foundations in data structures, algorithms, and object-oriented programming. Passionate about Android and backend development using Java and modern frameworks.

Technical Skills

Programming Languages

- C, C++, Java, Python, PHP, Swift

Mobile App Development

- Android (Java, XML), iOS(Swift, SwiftUI)

Web Development Frontend

- HTML, CSS, JavaScript, React Js

Backend Development

- Spring Boot, Django, Laravel

Database

- Firebase, Room, MySQL, PostgreSQL, SQLite

Architectural Pattern

- MVC, MVVM, MVT

Operating Systems

- Windows, MAC, Linux(Ubuntu)

Other Tools

- Git & GitHub, Gradle, Maven, Rest-Api

Achievements

Dean's awards, Faculty of EEE

- Session 2021-22

62th at Datathon in BitFest KUET

- Organized by KUET, CSE FEST 2025

11th in 2k20

- Individual Programming contest by SGIPC, 2024

8th in 2k20

- Team Programming contest by SGIPC, 2024

Extra Curricular Activities

Member, Bit2Byte

- Bit2Byte is a Software Research & Development Community of KUET

Member, SGIPC

- Special Group Interested in Programming Contest (SGIPC) of KUET

Event Organizer, BitFest 2025

- Organizer of 24 hour Hackathon at the 3rd KUET CSE National Festival

Education

BSC in Computer Science and Engineering

Khulna University of Engineering & Technology (KUET)
(2022– Present)

CGPA: **3.70** out of 4.0 (till 6th semester)

Problem Solving Summary

Solved **700+** programming problems online contests.

CodeForces

- RYAD08
- Solved 500+ problems.

LeetCode

- Robiul_Riyadh, Solved 150+ problems.

Codechef

- ryad, Solved 50+ problems.

Major Projects

Blood Bank Management

Technologies- OOP in C++

This console application is implemented using all OOP concept Encapsulation, Abstraction, Inheritance & Polymorphism.

Railway Management System

Technologies- Android(java), Firebase, REST API

Developed an Android application with separate admin and user login systems. Admins can add, update, and delete train schedules between stations, while users can search routes and complete bookings.

Grocery Shopping

Technologies- PHP, Laravel, MySQL

Built a responsive grocery shopping web app where users can register, browse products, and complete a smooth checkout process.

Cardiac Recorder (Android Team Project)

Technologies-Java, Android SDK, XML, SQLite, Firebase, Git, GitHub, Junit

Collaborated in a team to develop an Android app for tracking systolic/diastolic blood pressure and heart rate with date-time logging. Implemented data filtering, sorting, offline & online database support, and a dynamic splash screen.

Bangla Book Recommendation System (Web Team Project)

Technologies- Django, ML, SQLite, Web scrapping.

Developed a full stack Website for Bangla book recommendation system based on Machine Learning algorithm and Hybrid filtering method.

Recipe Book (iOS Team Project)

Technologies- Swift, SwiftUI, Xcode

Worked as part of a team to develop an iOS recipe application with a clean and intuitive interface.