

Md. Robiul Islam

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EDUCATION

Khulna University of Engineering & Technology (KUET)

BSc in Computer Science and Engineering

2022 – Present

CGPA: 3.70/4.0

THESIS

Design & Optimization of Low-Compute Vision Architecture for Resource-Constrained Environments. Applied mixed-precision quantization on Vision Transformers (ViT) for efficient edge-device deployment with reduced computation and model size.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, Python, PHP, Swift
- **Mobile Development:** Android (Java, XML), iOS (Swift, SwiftUI)
- **Frontend:** HTML, CSS, JavaScript, ReactJs
- **Backend:** Laravel, Django, Spring Boot
- **Database:** Firebase, Room, MySQL, PostgreSQL, SQLite
- **Architecture:** MVC, MVVM, MVT
- **Operating Systems:** Windows, macOS, Linux (Ubuntu)
- **Tools:** Git & GitHub, Gradle, Maven

PROJECTS

Railway Management System 🔗 | Android, Java, Firebase, REST API

- Android app with admin/user roles. Admins manage train schedules, users search routes and book tickets.

Cardiac Recorder (Team Project) 🔗 | Android, Java, SQLite, Firebase, JUnit

- Android app for tracking blood pressure and heart rate with date-time logging, data filtering, and offline/online sync.

Bangla Book Recommendation System 🔗 | Django, Machine Learning, SQLite

- Full-stack website for Bangla book recommendations using ML algorithms and hybrid filtering methods.

Grocery Shopping Web App 🔗 | PHP, Laravel, MySQL

- Responsive e-commerce web app with user registration, product browsing, and checkout system.

Recipe Book (iOS) 🔗 | Swift, SwiftUI, Xcode

- iOS recipe application with clean and intuitive interface developed as a team project.

Blood Bank Management 🔗 | C++, OOP Concepts

- Console application for KUET-based blood donation with Admin-controlled database and Donor/Acceptor roles.

PROBLEM SOLVING

Solved 700+ Problems on Online Judges

CodeForces, LeetCode, CodeChef

- **CodeForces (RYAD08)** 🔗: 400+ problems solved
- **LeetCode (Robiul.Riyadh)** 🔗: 150+ problems solved
- **CodeChef (ryad)** 🔗: 50+ problems solved

ACHIEVEMENTS

Dean's Award, Faculty of EEE

2021–22

Academic Excellence

8th Position - Team Contest

2023

SGIPC Programming Contest

11th Position - Individual Contest

2023

SGIPC Programming Contest

62nd at Datathon in BitFest KUET

2025

CSE FEST 2025