

MD NASIM RIDOY

[LeetCode/NasimHridoy](#)
[CodeForces/Profile/N-hridoy](#)
[AtCoder/NasimRidoy](#)

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Motijheel, Dhaka

OBJECTIVE

To utilize my programming skills, problem-solving abilities, and experience in web, mobile, and embedded systems to contribute to innovative solutions while gaining valuable industry experience.

EDUCATION

Khulna University of Engineering & Technology, Khulna, Bachelor of Science in Computer Science and Engineering Expected Graduation Date	01/2020 - present CGPA: 3.45 (up to 7 th semester) April 2025
Dhaka College, Dhaka Higher secondary school	04/2017 - 04/2019 GPA: 5.00

PROBLEM SOLVING

- **CodeForces** 150+ Solved Problems
- **LeetCode & AtCoder** 70+ Solved Problems

TECHNICAL SKILLS AND INTERESTS

Programming Language	JavaScript, C++, C, Java, C#, Python, Swift
Technical Tools	Node.js, OpenGL, Arduino IDE, Raspberry Pi, Active-HDL, Visual Studio
Frameworks	React.js, Express.js, SwiftUI, ASP.NET core
Cloud/Database	MySQL, Oracle DBMS, Firebase
Version Control	Git, GitHub
Area Of Interest	Web Development, App Development

PROJECTS / THESIS

Halalify - Designed to assist users in verifying food products' compliance with dietary requirements <i>A system to classify food products based on their ingredients</i> – Tools & Technologies Used: Google Tesseract OCR, GCN, Python, CV, TensorFlow/Keras, LSTM Model, LLM – Automatic Detection of Ingredient section & Accurate classification	<i>Thesis</i>
Lawyer Appointment Management System - Oracle SQL & PL/SQL <i>A relational database with tables, constraints, and relationship for managing lawyer appointments</i> – Developed PL/SQL scripts for automation, advanced queries, and transaction management – Implemented features like dynamic data retrieval, discounts, and advanced filtering with views and joins	<i>Project</i>
E-Commerce Website - MERN Stack – Tools & Technologies Used: Node.js, Express.js, MongoDB, React.js, Postman, Visual Studio Code – Shopping cart with quantity, product reviews, ratings, product search, pagination, admin CRUD on users and products	<i>Project</i>
Restaurant Website - ASP.NET – Tools & Technologies Used: C#, ASP.NET Core MVC, Visual Studio, SQL Server – Admin CRUD operations, and user login/registration for customers to add items to the cart	<i>Project</i>
Cardio Assistant - Android App – Tools & Technologies Used: Firebase Authentication, Firebase Realtime Database, Java, Material UI – Login & Registration functionality, user tracks cardio status via CRUD	<i>Project</i>
Custom Compiler Design - Bison and Flex – Tools & Technologies Used: C programming, Bison, Flex, GCC – Custom tokens and grammar, supports core features includes data types, control flow, and arithmetic operations	<i>Project</i>
AI Board Game - Go – Tools & Technologies Used: Sabaki for board management, Visual Studio Code, heuristic algorithms – 3 levels of difficulty using 3 algorithms: Minimax, Fuzzy Logic, Genetic Algorithm	<i>Project</i>