

# MD MONIRUZZAMAN

Programmer and Full Stack MERN Developer ( Dhaka, Bangladesh)

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## Work Experience

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**(QA) Team Member University of Barishal Admission System** [Portal](#) *Duration: Nov 2022 - March 2023*

Supported students during the admission process and ensured smooth portal operation. Collaborated with QA to identify issues and reported bugs to developers, enhancing user experience and system reliability.

**Role:** Quality Assurance (QA) Team Member

**Collaborative Development of an E-Commerce Platform** [Live Link](#) *Duration: Jun 2024 - Nov 2024*

Connect local businesses directly with customers, eliminating intermediaries. Completed as a final year project supervised by **Md Samsuddoha**, Assistant Professor, Dept. of CSE, University of Barishal.

**Role:** Full-stack Developer. [Requirements Documentation](#)

## Problem Solving

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Solved over 500 problems across various online problem-solving platforms, including Codeforces, LeetCode, and HackerRank. Actively participated in numerous contests on online judges, including securing 9th place by solving 6 problems in a contest on [VJudge](#).

## Projects

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**Project Name:** Vaiyer-Ponno [Live Link](#) [Demo Video](#) [Front-End Code](#) [Back-End Code](#) *Jun 2024 - Nov 2024*

**Project Overview:** A web application promoting local businesses by enabling direct-to-consumer transactions, eliminating middlemen to reduce price markups and ensuring fresher products. It includes an AI-powered recommendation system for personalized product suggestions, location-based product availability to enhance search relevance, and real-time communication and order tracking with live updates and continuous chat between seller and consumer.

**Tech Stack:** React JS, Tailwind CSS, Redux, Express JS, MongoDB

**Project Name:** Rescue Hospital [Live Link](#) [Demo Video](#) [Front-End Code](#) [Back-End Code](#) *Jan 2023 - Mar 2024*

**Project Overview:** A hospital management system that streamlines operations and improves patient care. It includes blood donation registration, a donor-search system, an appointment scheduler with doctor availability, secure Stripe payments, and role-based dashboards for Users, Doctors, and Admins to manage appointments and tasks.

**Tech Stack:** React JS, Firebase, Tailwind CSS

## Skills

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**Programming Languages:** C, C++, Python.

**Web Technology:** React.js, Next.js, TypeScript, Tailwind CSS, Node, Express, MongoDB, MySQL, Redux.

**Tools:** Vs Code, Git, Postman, Figma, Docker.

**Additional Skills:** DS, Algorithms, DBMS.

## Education

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Bachelor of Science in Computer Science and Engineering (CSE), University of Barishal

CGPA: 3.39/4.0

Duration: January 2019 – September 2024

## Position of Responsibility

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**President – Development Club, CSE-BU**

Jun 2023 - Jun 2024

- Trained over 300 students in technical and soft skills, both online and [offline](#).
- Prior to my current role, I served as Vice-President of the organization for one year.

**Teaching Assistant – EDGE: BU-CSE Digital Skills Training**

Mar 2024 - Jun 2024

- WEB (HTML, CSS, PHP, JavaScript, Bootstrap)
- Database Management System