

Syed Faysel Ahammad Rajo

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Profile Summary

Full-stack developer experienced in building scalable, high-performance web applications using **MERN**, **TypeScript**, **Spring-boot** stacks. Passionate about problem-solving, clean architecture, and exploring intelligent systems through research in computer vision and **AI/ML**.

Work Experience

Software Developer Nov 2024 – Jul 2025
Coastal Code Solution, Dhaka, Bangladesh

- Collaborated within a 5-member team both remotely and onsite to develop enterprise-level ERP and CRM applications under tight deadlines.
- Built scalable backend APIs and integrated frontend modules with **React**, **Next.js**, and **Redux**.
- Improved application performance through debugging, optimization, and structured state management.

Education

BRAC University, Dhaka Jan 2021 – Oct 2025
Bachelor of Science in Computer Science and Engineering CGPA: **3.47**

- Relevant Courseworks (Top Performer): Database Systems, OOP, Data Structures and Algorithms, Software Engineering, System Design Analysis, OS, Computer Networks, Data Communication

Technical Skills

Languages: C/C++, Java, Python, JavaScript, TypeScript

Competitive Programming & Problem Solving: 400+ problems solved in Leetcode, Codeforces, Hackerrank and vjudge. (handle: @syedrajo20)

Web Development: Node.js, Express.js, React, Next.js (MERN), HTML, CSS, Tailwind, Bootstrap, PHP(vanilla), Firebase, Spring-boot

Databases: MySQL, PostgreSQL, MongoDB

AI/ML: NumPy, Pandas, OpenCV, Scikit-learn, Matplotlib, Pytorch

DevOps & Tools: Docker, Git/GitHub, Linux, Windows

Soft Skills: Teamwork, Communication, Critical Thinking, Time Management, Public Speaking

Projects

Fullstack E-Commerce Website — (MERN Stack) Apr 2025
[Code \(GitHub\)](#) — [Live Demo](#)

- Developed a responsive e-commerce platform with role-based access control and admin dashboard.
- Integrated secure authentication and payment methods.

Bike Service Management API — (Express, TypeScript, Prisma, PostgreSQL) Apr 2025
[Code \(GitHub\)](#) — [Live API](#)

- Built this project to solidify my backend development expertise using above mentioned stack
- Developed RESTful API with proper documentation and relational database design.
- Implemented authentication and CRUD endpoints following industry best practices and clean code.

OpenCourseware (OCWx) — (Next.js, Tailwind) Jan 2022 – Present
[Code \(GitHub\)](#) — [Live](#)

- Built a web app aggregating free learning resources; transitioned from vanilla JS to Next.js.
- Designed an intuitive UI to enhance discoverability and learning engagement.

BeIntelligent - A GoodReads like web app — (MERN Stack) Nov 2023
[Code \(GitHub\)](#)

- Developed a Goodreads-like app for sharing and reviewing books as part of my SWE course
- Implemented Express backend and MongoDB database with React-based frontend under team collaboration

Achievements

- Top 25 / 400 Teams (6%) – Code Samurai Hackathon, 2024
- Finalist (Top 10) – BRAC University Programming Contest, 2022 & 2023
- Finalist (Top 5) – Database Wizards, BRACU Computer Club, 2024
- Code Crash Finalist – IEEE CS BRACU, 2023

Certifications

- Fullstack Web Development Bootcamp – Programming Hero (May 2025)
- Intermediate SQL – Datacamp (Mar 2025)
- OOP in Java – Datacamp (Mar 2025)
- Python Fundamentals – Hackerrank (Aug 2021)

Research Experience

Object Detection under Diverse Weather Conditions for Autonomous Systems using Visual Prompting (UG Thesis)

Jun 2024 – Jun 2025

Supervisors: Dr. Md. Golam Rabiul Alam, Md. Rafeed Rahman

- Researched deep learning-based object detection systems for autonomous vehicles under dynamic weather scenarios.
- Implemented visual prompting with YOLO and CLIP models to improve robustness and detection accuracy in adverse conditions.

Languages

Bangla (Native), English (Fluent), Hindi (Fluent), Japanese (Learning)

Hobbies and Interests

Photography & Filmmaking, Traveling, Reading, Building IoT projects