

Md. Saikot Hossain

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[GitHub](#) | [Portfolio](#) | [LinkedIn](#)

ABOUT

Computer Science undergraduate with hands-on experience in C#, ASP.NET Core, Entity Framework Core, SQL, and full-stack web development. Experienced in building RESTful APIs, database-driven applications, authentication systems, and business workflows using .NET and MVC architectures.

SKILLS

- **Languages:** C#, JavaScript, SQL
- **Backend & Frameworks:** ASP.NET Core, ASP.NET Core Web API, Entity Framework Core, LINQ, MVC, Windows Forms
- **Frontend:** Next.js, TypeScript, React, HTML5, CSS3, Bootstrap
- **Databases:** PostgreSQL, Supabase, MySQL, SQL Server
- **Concepts:** Object-Oriented Programming (OOP), Design Patterns (MVC, Repository, DTO, Dependency Injection), Layered Architecture, Agile/Scrum
- **Development:** RESTful API Development, CRUD, Authentication & Authorization, Database Design

PROJECTS

Assignment Portal System | ASP.NET Core 10 Web API (C#), React 19, TypeScript

Role-based web app where teachers set assignments, students submit PDFs, and teachers return marks and feedback.

[Live](#) | [Repository](#)

- **Backend:** ASP.NET Core 10 Web API (C#), EF Core, PostgreSQL, JWT authentication, Swagger
- **Frontend:** Next.js 16 (App Router), React 19, TypeScript, Tailwind CSS
- **Tests:** 247 xUnit tests covering business rules, authorisation, the submission workflow and the upload endpoints over HTTP

Blood Donation Management System | C#, .NET EF Core, MVC, LINQ

Web application for registering blood donors and tracking their donations, with search and reporting.

[Repository](#)

- Developed CRUD operations for the Donor & Donation module using ASP.NET Core MVC, Entity Framework Core and SQL Server.
- Utilized LINQ for data retrieval, filtering, and reporting. Used Entity Framework navigation properties to maintain relationships between donors and donations.
- Built a secure Web Application with MVC design pattern, server-side validation, dependency injection, Razor views, and version control using Git/GitHub.

Zero Hunger - Food Donation & Collection Management System | C#, .NET Core 10 Web API

Backend API connecting restaurants that have surplus food with collection teams and tracking each pickup.

[Repository](#)

- Developed a layered ASP.NET Core Web API for managing food donation and collection requests using C#, .NET 10, EF Core, and SQL Server.
- Implemented business logic, DTOs, AutoMapper, repositories, and RESTful APIs for restaurants, staff assignments, collection requests, and status tracking.
- Designed a scalable 3-layer architecture (AppLayer, BLL, DAL) with EF Core migrations and structured data access.

EDUCATION

American International University-Bangladesh (AIUB)

2023 - 2026

- BSc in Computer Science and Engineering; CGPA: 3.80/4.00

Lions School & College, Rangpur

2019 - 2021

- Higher Secondary Certificate (HSC); GPA: 5.00/5.00

COMPETITIONS

- **Participant**, Bangladesh ICT and Innovation Awards (BIIN) - Business Services category September 2026
- **Finalist**, The Infinity AI BuildFest June 2026
- **Silver Medalist**, 8th World Invention Competition & Exhibition May 2026
- **Participant**, AIUB Intra Programming Contest April 2024

EXTRACURRICULAR ACTIVITIES

- **Volunteer:** 23rd AIUB Convocation December 2025
- **Community Service:** Blood Grouping Campaign, USAF October 2024
- **Organizer:** Photography Exhibition, "Tale of the Dark Room III" January 2024
- **Photographer** Since 2019