

SHAHRIAR REZA

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EDUCATION

B.Sc. in Computer Science and Engineering

American International University-Bangladesh (AIUB), Dhaka, Bangladesh
CGPA: 3.86 /4.00

Jan 2022 – Present

ACHIEVEMENTS & CERTIFICATIONS

🏆 Dean's Honor Award

Honored for consistent academic excellence, receiving the Dean's recognition in four consecutive semesters at AIUB.

Fall 2022–23, Spring 2022–23, Fall 2023–24, Spring 2023–24

🔌 Cisco Certified — IT Essentials

Completed foundational training in computer hardware, software, networking, and troubleshooting, under the Cisco Networking Academy.

Issued: June 12, 2022

PROJECTS

👶 BabyCare Management System [C#, .NET, SQL Server]

Jun 2024 - Jul 2024

github

- Designed and implemented a comprehensive management system for baby care services, streamlining caregiver-client interaction.
- Features include caregiver registration, service scheduling, client management, and secure billing.
- Built using C# and .NET with SQL Server backend, deployed as a Windows desktop application.

🛒 Online Shop Management System [Java]

Jan 2024 - Feb 2024

github

- Developed a Java-based e-commerce platform supporting customer registration, product browsing, and purchase management.
- Implemented shopping cart functionality, inventory tracking, and admin-side product management.
- Designed user-friendly interface and object-oriented architecture for maintainability and scalability.

🍴 Restaurant Management System [PHP, HTML, JavaScript, CSS]

Mar 2024 - Apr 2024

github

A full-stack web application for managing restaurant operations, from order placement to billing and menu updates, built with a responsive and user-friendly interface.

- Engineered a web-based restaurant management platform enabling real-time order tracking, menu management, and customer data storage.
- Built a responsive UI using HTML/CSS and added dynamic interactivity with JavaScript, enhancing user engagement and reducing navigation time by **30%**.
- Designed and implemented PHP-based backend modules for secure data handling and scalable feature integration.

🚌 Smart Bus Portal [NestJS, Node.js, Next.js, PostgreSQL]

12 Aug 2025 - 17 Sep 2025

github

A full-stack transport management platform with role-based dashboards for Admins, Drivers, and Passengers, enabling real-time scheduling and booking.

- Architected backend using NestJS and PostgreSQL with role-based access control, ensuring secure data management.
- Integrated driver scheduling and passenger booking workflows.
- Developed Next.js frontend for responsive dashboards, improving user task completion speed.
- Implemented JWT authentication, bcrypt, mailer, Axios for fetching Data from Backend, Pusher Beam and database migrations for scalable deployment.

📅 Event Management System [ASP.NET Web API, C#, Entity Framework]

Jun 2025 - Jul 2025

github

A backend-driven event management platform providing APIs for organizers, participants, and registration workflows.

- Designed RESTful APIs with ASP.NET Web API for managing events, organizers, and participant registrations.
- Implemented Entity Framework for database operations including CRUD functionality and relationships.
- Applied attribute-based routing and validation to ensure secure and reliable request handling.
- Integrated modular service and repository layers to maintain clean architecture and scalability.

🌳 Scenic Beauty of Bangladesh [C++, OpenGL]

Feb 2024 - Mar 2024

github

A computer graphics project showcasing Bangladesh's natural landscapes through animated 2D and 3D scenes.

- Created animated models of rivers, hills, and cultural landmarks using OpenGL.
- Implemented transformation matrices for realistic scaling, rotation, and translation effects.

SKILLS

Languages	C++, Java, C#, Python, JavaScript, TypeScript, HTML5, CSS3
Frameworks	React.js, Next.js, NestJS, Node.js, ASP.NET MVC
Databases	MySQL, PostgreSQL, MS SQL Server
Tools	Selenium, Postman, Git, GitHub
Core Topics	Data Structures, Algorithms, Object-Oriented Programming, Computer Network, Network Security
Others	REST API, N-tier Architecture, JSON, AJAX, MS Word