

Md. Shizan Sarkar

📍 Address: Bashundhara R/A, Dhaka, Bangladesh

☎ +880 1793757376

✉ shizansarkar@gmail.com

🌐 linkedin.com/in/md-shizan-sarkar

🐙 github.com/Sarkar-Shizan

🌐 dev-sarkar-shizan.vercel.app



CAREER OBJECTIVE

Computer Science and Engineering student specializing in Software Engineering, with experience in full-stack development using Next.js, NestJS, PostgreSQL, REST APIs, and modern web technologies. Research experience in deep learning and computer vision, with a strong foundation in software engineering. Seeking opportunities in Software Engineering or AI-focused development opportunities.

EDUCATION

Bachelor of Science in Computer Science and Engineering

June 2023 – Present

American International University-Bangladesh (AIUB), Dhaka, Bangladesh

Major: Software Engineering

Minor: Information Systems

CGPA: 3.92/4.00

Expected Graduation: February 2027

TECHNICAL SKILLS

Programming Languages:

TypeScript, JavaScript, Java, C++, C#

Frontend Development:

React.js, Next.js, HTML5, CSS3, Tailwind CSS, DaisyUI, Responsive Web Design, Component-Based UI Development

Backend Development:

Node.js, NestJS, ASP.NET Core MVC, .NET, RESTful APIs, Authentication & Authorization

Databases:

PostgreSQL, SQL Server, MySQL, SQL, Relational Database Design

Software Engineering Concepts:

Object-Oriented Programming (OOP), Data Structures & Algorithms, SDLC, 3-Tier Architecture, Software Design Principles

Software Testing & Quality Assurance:

Manual Testing, Test Case Design & Execution, Functional Testing, Regression Testing, API Testing, Software Testing Life Cycle (STLC)

Development Tools & Platforms:

Git, GitHub, Postman, Swagger, VS Code, Visual Studio, pgAdmin, SQL Server Management Studio, Figma, Vercel

AI & Research:

Machine Learning, Deep Learning, Computer Vision, R Programming, Data Analysis, Model Training & Evaluation, Research Methodology, Academic Research Writing

SELECTED PROJECTS

FindBack

Next.js, TypeScript, Tailwind CSS

- Developed a responsive frontend for a lost-and-found platform with interfaces for authentication, item reporting, image uploads, and filtering.
- Built reusable UI components and responsive layouts using Next.js, TypeScript, and Tailwind CSS.

🔗 Source: github.com/Sarkar-Shizan/FindBack

UniGrade – CGPA Calculator

Next.js, TypeScript, React, Tailwind CSS

- Developed a responsive CGPA calculator with university specific grading systems, semester wise course entry, and automatic GPA/CGPA calculation.
- Implemented university search, division based filtering, multiple grade input methods, and downloadable PDF reports.

🔗 Source: github.com/Sarkar-Shizan/UniGrade

WorkConnect

Next.js, NestJS, TypeScript, PostgreSQL

- Developed a full-stack service marketplace connecting customers with home and business service providers.

- Designed REST APIs, database structures, and application workflows for scalable service management.

🔗 Source: github.com/Sarkar-Shizan/WorkConnect

HNMS – Health Navigation Management System

HTML, CSS, JavaScript, PHP

- Developed a healthcare management platform supporting appointments, hospitals, pharmacies, diagnostics, and administrative operations.

🔗 Source: github.com/Sarkar-Shizan/HNMS

PUBLICATIONS

- **TrustworthyDR-Net: A Leakage-Aware and Explainable Deep Learning Framework for Reliable Diabetic Retinopathy Severity Grading** **ICDMIS 2026**
International Conference on Data Mining and Information Systems.
- **HazBin: IoT-Based Smart Bin for Safe and Sustainable Waste Management** **PECCII 2026**
International Conference on Power, Electronics, Communications, Computing and Intelligent Infrastructure.

CERTIFICATIONS

- The Complete Full-Stack Web Development Bootcamp - Udemy, Dr. Angela Yu, 2026
- Certificate of Presentation - PECCII 2026, Pabna University of Science and Technology
- IT Essentials: PC Hardware and Software - Cisco Networking Academy, 2023

ACHIEVEMENTS

- 🏆 **Dean's List Honors**, Spring 2025–2026, AIUB **SGPA: 4.00**
- 🏆 **Dean's List Honors**, Fall 2025–2026, AIUB **SGPA: 3.95**
- 🏆 **Dean's List Honors**, Spring 2024–2025, AIUB **SGPA: 4.00**
- 🏆 **Dean's List Honors**, Fall 2024–2025, AIUB **SGPA: 3.91**
- 🏆 **Dean's List Honors**, Spring 2023–2024, AIUB **SGPA: 3.90**
- 🎓 **Academic Scholarship**, AIUB
Awarded from the 4th semester onward for sustained academic excellence.

REFERENCES

Dipta Justin Gomes

Assistant Professor, Faculty
Department of Computer Science
American International University-Bangladesh (AIUB)
Dhaka, Bangladesh
✉ diptagomes@aiub.edu

Mahfujur Rahman

Assistant Professor, Faculty
Department of Computer Science
American International University-Bangladesh (AIUB)
Dhaka, Bangladesh
✉ mahfuj@aiub.edu