

# Sharmin Islam

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## CAREER SUMMARY

I earned my degree in computer science and engineering from East West University. I put a lot of effort into my studies, consider things thoroughly, and get along well with individuals. I enjoy the challenging tasks that require solving problems and developing new skills.

## TECHNICAL SKILLS

**Programming Language:** C, C++, JavaScript, Java, Python.

**Tech Stack:** HTML5, CSS3, Bootstrap, TailwindCSS, React, Next.js, Express.js, Node.js, JWT, MongoDB.

**Software Tools:** Figma, Firebase, Netlify, Vercel, CodeBlocks, VS. Code, Canva, IntelliJ-Idea, Microsoft Office Suite, AutoCAD, GitHub.

**Languages:** Bangla (Native), English (Proficient).

## PROJECT EXPERIENCE

### **Quora**

*Forum website*

- A MERN-based website with multiple roles like admin and user, using Firebase and JWT for the authentication and MongoDB for database storage.
- Quora allows users to register, customize profiles, ask/answer questions, vote, comment, search, receive notifications, and personalize their feeds.
- Quora utilizes React, Express JS, and Node JS with Firebase authentication and MongoDB integration.
- View this project on this [GitHub](#) and [live link](#)

### **Study Sphere**

*Online Group Study*

- A MERN-based website with multiple routes, using Firebase for the authentication and MongoDB for database storage.
- Study Sphere revolutionizes online group study with dynamic, interactive sessions for students worldwide.
- Study Sphere uses Express.js, Node.js, Tailwind CSS, Daisy UI, Firebase authentication, and MongoDB integration.
- View the project on this [GitHub](#) and [live link](#)

### **Online Student Management System**

*Group Project, in-person*

- The development of a PHP-based student management system with a group of three students.
- Designed a full-end interface where faculty centralized student info, streamlined processes, and enhanced communication.
- View this project on my [GitHub](#)

## PUBLICATION:

### **A Policy Framework for Cost-Effective Production of Electricity Using Renewable Energy**

*Issued On: 19 December 2023*

- To ensure sustainable development and lower energy costs, integrating renewable sources like solar, wind, and hydroelectric power with existing energy systems is essential to address the current energy crisis and ensure energy security. [publication link](#)

## EDUCATION

### **East West University**

B.Sc in Computer Science and Engineering

**CGPA:** 3.18

**Relevant Coursework:** Structured Programming, Data Structures, Object Oriented Programming, Artificial Intelligence (AI), Software Engineering, Machine Learning, Algorithms, Data Structures, Database Systems, Web Programming, Digital Logic Design, Operating Systems, Discrete Math, Differential Equations, Calculus I & II, Linear Algebra, and Geometry.