

MD. SHAIFUL ALAM

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GitHub | LinkedIn | Portfolio

Career Objective

Motivated and detail-oriented Computer Science undergraduate with strong foundation in programming, web development, and software engineering. Skilled in **JavaScript** and **TypeScript** with hands-on experience in building projects. Fast learner and effective team player with excellent problem-solving abilities and passion for continuous learning and innovative solutions.

Education

American International University - Bangladesh

Computer Science & Engineering (B.Sc.)

CGPA: 3.63/4.00

Dhaka, Bangladesh

Feb 2022 - Present

Technical Skills

Programming Languages:	C++, Python, JavaScript, TypeScript, HTML/CSS, PHP
Frameworks/Libraries:	Next.js, NestJS, ASP.NET, Bootstrap, jQuery
Tools/Platforms:	Git, Bash, Linux, Figma, Docker
Databases:	MySQL, PostgreSQL

Work Experience

Polygon Technology

Software Engineer Intern

Dhaka, Bangladesh

2024 – Present

- Contributed to development of scalable web applications using **JavaScript**, **TypeScript**, and **modern frameworks**
- Assisted in designing and consuming **RESTful APIs** for secure data flow and efficient client-server communication
- Worked with **Git** for version control and followed best practices for clean code and deployment workflows

Projects

Petal & Pearl | Live 

React (Vite), NestJS, PostgreSQL, TypeORM, Tailwind CSS

- Built a scalable full-stack e-commerce system using **React (Vite)** and **NestJS**, backed by **Neon PostgreSQL** and **TypeORM**, with secure **JWT authentication** and **role-based access control (RBAC)** for Admin and Customer portals.
- Implemented core commerce features including **automated PDF invoice generation**, inventory and order lifecycle management, and product handling with **Multer-based file uploads**, ensuring efficient state management and cart synchronization.
- Designed a responsive, high-contrast UI with **Tailwind CSS** and **Framer Motion**, delivering polished micro-interactions and optimized SPA deployments on **Netlify** and **Render**.

Online BookStore | GitHub 

JavaScript, ASP.NET, Bootstrap, jQuery

- Developed a **RESTful API**-based management system for seamless frontend-backend communication
- Designed a responsive UI for browsing, searching, and purchasing books across devices
- Implemented sales tracking and dynamic report generation using **jsPDF** and **QuestPDF**

Certifications

- Data Analytics Essentials – Cisco 