

# Ashraful Alam

📍 Chittagong, Bangladesh

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## SUMMARY

Full Stack Developer proficient in **MERN** and **PERN** stacks with a strong foundation in Data Structures and Algorithms. Skilled in building scalable web applications, designing optimized RESTful APIs, and implementing secure authentication. Dedicated to writing clean, maintainable code and delivering efficient software solutions.

## EDUCATION

### International Islamic University Chittagong (IIUC)

B.Sc. in Computer Science and Engineering (CSE)

Chittagong, Bangladesh

Expected June 2027

- **Relevant Coursework:** Data Structures & Algorithms, OOP, DBMS, OS, Computer Networks, Software Engineering, Systems Analysis and Design, Compiler, Computer Architecture, AI/ML, Computer Security.

## TECHNICAL SKILLS

**Programming Languages:** C, C++, JavaScript (ES6+), TypeScript, SQL, Python.

**Frontend Technologies:** React.js, Next.js, Tailwind CSS, Shadcn UI, Material UI, Redux Toolkit, React Hook Form, Axios, Framer Motion, Vite, HTML5, CSS3.

**Backend Technologies:** Node.js, Express.js, REST API, MVC Architecture, Cloudinary, SSLCommerz.

**Databases & ORMs:** PostgreSQL, MongoDB, MySQL, Prisma, Mongoose, Firebase, Appwrite, Supabase, Neon.

**DevOps & Cloud:** Docker, AWS (EC2), Linux, GitHub Actions, CI/CD, DigitalOcean, Nginx, Vercel, Render.

**Testing & QA:** Jest, React Testing Library, Cypress, Postman, Google Lighthouse, BrowserStack, Requestly.

**Authentication & Security:** JWT Auth, OAuth 2.0, RBAC, Zod (Schema Validation), Bcrypt (Hashing).

**Tools & Platforms:** Git, GitHub, VS Code, WebStorm, GitHub Copilot, Figma, Termius, DBeaver, Jira.

## PROJECTS

### IIUC Lost & Found | PostgreSQL, Express, React, Node.js, Prisma, Firebase

Jan 2026 – Present

- Developed a secure university-wide platform for reporting and claiming lost items using the **PERN stack**.
- Integrated **Firebase (Google Auth)** to restrict access only to the users with (@ugrad.iiuc.ac.bd) emails.
- Designed a robust schema with **Prisma ORM** to handle complex item filtering and user role management.
- [Source Code](#) | [Live Demo](#)

### Ashraf's Fashion Hub | MongoDB, Express, React, Node.js, Redux, SSLCommerz

Oct 2025 – Dec 2025

- Built a feature-rich e-commerce dashboard capable of handling dynamic inventory and user orders.
- Implemented global state management using **Redux Toolkit** for seamless cart and authentication flows.
- Secured API endpoints with **JWT** and implemented Role-Based Access Control (RBAC) for admins.
- [Source Code](#) | [Live Demo](#)

### BloodSync | PostgreSQL, Express, React, Node.js, Prisma, Appwrite

Aug 2025 – Sep 2025

- Engineered a real-time blood donation platform connecting donors with patients during emergencies.
- Implemented location-based donor discovery using manual distance filtering to identify nearby active donors.
- Integrated **Appwrite** for secure user authentication and access management between donor and requester.
- [Source Code](#) | [Live Demo](#)

## CERTIFICATIONS

- **Postman API Student Expert** | [Postman](#)
- **Frontend Developer (React)** | [HackerRank](#)
- **SQL (Intermediate)** | [HackerRank](#)

## ACHIEVEMENTS

- **Best Project Award** — Awarded by faculty at IIUC for *Ashraf's Fashion Hub*.
- **Open Source Contributor** — Merged Pull Requests (PRs) in open-source repositories on GitHub.
- **Product Launch** — Deployed **IIUC Lost & Found**, currently serving **500+** active users on campus.