Choudhury Mehbub Alam

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GitHub • LinkedIn • Portfolio

Education

B.Tech in Computer Science and Business Systems   **2022 – 2026**
Academy of Technology

Technical Skills

- Languages: TypeScript, JavaScript, Python, C++
- Frontend: React, Next.js, HTML, CSS, Tailwind CSS
- Backend: Node.js, Express.js, Flask
- Databases: MongoDB, PostgreSQL, Prisma, Mongoose, Supabase
- DevOps/Tools: AWS, Docker, Git, Postman, Vercel, Render

Experience

Software Development Engineer, House of EdTech   **Oct 2025 – Present**

- Promoted to SDE after successful 3-month internship, continuing to enhance the mutual fund platform
- Leading feature development and optimizing platform performance for scalability
- Mentoring new interns and contributing to architectural decisions

Full-Stack Developer Intern, House of EdTech   **Jul 2025 – Sep 2025**

- Built a mutual fund platform from scratch using Next.js (TypeScript), Tailwind CSS, and ShadCN UI, delivering a modern and responsive user interface.
- Implemented smooth user onboarding, integrating eKYC and e-sign workflows with third-party vendors, increasing user retention by 30%.
- Developed backend APIs using Supabase and Next.js, ensuring secure and scalable data handling for portfolios, transactions, and fund search.
- Deployed the platform on AWS using ECS Fargate and S3 for storage, with a fully Dockerized deployment and automated scripts, improving deployment speed by 60%.
- Integrated a Telegram bot for automated notifications and user interactions, handling API rate-limiting and ensuring 99% uptime.

Project Maintainer, Apertre 2.0 (Open Source Program)   **Feb 2024 – Apr 2024**

- Reviewed 60+ PRs and maintained project-wide coding standards across multiple repositories.
- Co-ordinated with contributors from diverse backgrounds, ensuring smooth collaboration in an asynchronous environment.

Projects

Clinkr – Modern Link-in-Bio SaaS

- Built a modern Link-in-Bio SaaS platform with personalized pages, link management, and real-time analytics dashboards.
- Implemented link shortening with custom short codes/slugs and QR code generation/expiration.
- Integrated comprehensive analytics (device, browser, geolocation, profile views) stored in a secure database.
- Developed backend services using Supabase with RLS for secure, scalable data access.
- Designed responsive dashboard UI for link management: create, edit, delete, copy URLs, and view stats.
- Tech stack: React, Supabase, Tailwind CSS, Framer Motion.

ClueFind – Developer Portfolio Platform

- Developed a modern developer portfolio platform to showcase skills, projects, and achievements.
- Integrated AI profile builder, skill endorsements, GitHub integration, and customizable public profiles.
- Built responsive UI using Next.js, Tailwind CSS, and Radix UI.
- Developed secure backend with Prisma ORM and PostgreSQL for scalable data management.
- Deployed using Docker and implemented CI/CD workflows for automated deployments.
- Tech stack: Next.js, TypeScript, Tailwind CSS, Radix UI, Prisma, PostgreSQL.

Open Source Contributions

Significant Contributor to ENTS-Back end — UC Santa Cruz JLab Sensing Lab   **2024**
Production research platform serving environmental sensor data visualization. – Contributed 4 merged pull requests improving UX, data export, and accessibility.

- #413 Enhanced drag-and-drop UX with **DragOverlay**
- #410 Added chart export (PNG) with **Chart.js**
- #404 Redesigned toggle UI for hourly vs streaming mode
- #427 Fixed scrolling + visibility bugs in archive modal