SAMIR UDDIN AHAMED

FullStack Developer

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CAREER OBJECTIVE

Aspiring Full-Stack Engineer aiming to contribute to the development of scalable and efficient software solutions. With practical experience in **TypeScript, Next.js, Node.js, and PostgreSQL,** I seek to apply my problem-solving abilities and engineering knowledge to build reliable applications that support business goals. My goal is to take ownership of development tasks, collaborate effectively, and continuously improve software quality and performance.

SKILLS

Languages: JavaScript (ES6), TypeScript, Python, SQL, Java
Frontend: ReactJS, Next.js, Redux, Tailwind CSS, HTML5
Backend & Databases: Node.js, Express.js, MongoDB, PostgreSQL, Prisma, Firebase, RESTful APIs, Redis, Zod
ML/AI: Data Preprocessing, Feature Extraction, Model Training & Evaluation
Tools & Soft Skills: Git/GitHub, English Communication, Teamwork, Problem-Solving, Docker

PROJECTS

Renthub- A rental market place Live Link | GitHub Client | GitHub Server

Developed a full-stack rental marketplace that enables tenants to browse properties, submit rental requests, and complete bookings through Stripe payments.

- Property listing management with property browsing, searching, sorting and rental request submission.
- Rental request approval/rejection and booking status tracking.
- Stripe payment integration with rental and payment management.

Tech : NextJs, ExpressJs, NodeJs, PrismaORM, PostgreSQL, TypeScript, Stripe

Fix-flow- Community maintenance platform Live Link | GitHub Client | GitHub Server

A full-stack community maintenance platform connecting residents, managers, and workers to streamline maintenance requests, assigning workers, repair tracking.

- Issue reporting with photo uploads, status tracking, and resident confirmation or dispute functionality.
- Worker assignment, priority management, and maintenance progress updates.
- Real-time issue communication through resident-worker chat using REST API polling.

Tech : Next.js, TypeScript, Node.js, Express.js, PostgreSQL, Redis, shadcn/ui, Stripe, Cloudinary, Google OAuth

Blood Donation Management System Live Link | GitHub Client | GitHub Server

Developed a web-based blood donation platform that connects patients with potential blood donors through location-based donor search and provides dedicated dashboards for managing donation-related activities.

- Search and filter blood donors by district, upazila, and blood group.
- Role-based dashboards for donors, patients, and administrators to manage donation requests and related activities.
- Admin controls for user status management, role management, and blog management.

Tech : MongoDB, Express.js, Node.js, JavaScript, HTML5, Tailwind, Firebase Authentication, Stripe

Bangla Hateful Meme Classification and Mitigation

Developed a multimodal machine learning system to detect hateful content in Bangla memes by analyzing both text and images, with targeted mitigation techniques to generate less harmful meme outputs.

- Multimodal hate detection using Bangla text classification and image classification.
- Targeted mitigation by neutralizing hateful text, masking hateful visual elements, or applying both approaches.
- Dataset preprocessing, feature extraction, model training, evaluation, result analysis, and research paper writing.

Tech: Python, DenseNet121, BanglaBERT, OCR, Pandas, NumPy, Scikit-learn, XLM Roberta, MURIL, Google Colab

EDUCATION

BSc , Computer Science and Engineering — **September, 2020 - September, 2026**
North South University - **CGPA: 3.23**

GCE O-Levels and A-Levels — **June, 2017 - June, 2019**
Academia - **GPA: 4.82 & 4.00**

CERTIFICATION

- **Complete Web Development Course: Certificate – Programming Hero**
- **O&A-Levels: Certificate - EDEXCEL**

EXTRA CURRICULUM ACTIVITES

- Teacher Assistant in Study Town (**Chemistry** O&Alevels)