

Mehedi Hasan Hridoy

Software Engineer

Dhaka, Bangladesh

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SUMMARY

Software Engineer with a strong engineering and problem-solving mindset, comfortable working across backend systems and applied AI/ML. Experienced building REST APIs, working with relational and NoSQL databases, and collaborating with product and frontend teams to take features from idea to production. Enjoys working on practical AI/ML systems alongside traditional backend development. Bilingual in English and Bengali, able to communicate clearly with both technical and business stakeholders.

EDUCATION

B.Sc. in Computer Science & Engineering

Jan 2022 – Jan 2026

Daffodil International University

Higher Secondary Certificate (Science)

2018 – 2020

Govt. Tolaram College

TECHNICAL SKILLS

Languages	— Python, JavaScript, TypeScript, C++
Frontend	— React.js, Next.js, Tailwind CSS, GSAP
Backend	— Node.js, Express.js, FastAPI, REST APIs
Database	— PostgreSQL, MySQL, MongoDB
AI/ML	— PyTorch, Hugging Face Transformers, Scikit-learn, Pandas, NumPy, NLP, LLM Agents, RAG, Prompt Engineering
Git & Linux	— Git, GitHub, GitLab, Linux
AI Dev Tools	— Claude Code, Cursor, GitHub Copilot, OpenAI API

EXPERIENCE

Jr. Executive (Software Development) — *Anwar Enterprise Systems Ltd.*

Aug 2026 – Present

- Working as a **Backend Software Developer**, building backend logic and contributing to internal systems used across the company.
- Collaborating closely with **product and frontend teams** across the full feature lifecycle, from requirement gathering through implementation, to ship reliable features.
- Translating business and stakeholder requirements into functional technical specifications, working closely with the wider engineering team.

Full Stack Developer — *Freelance*

Oct 2025 – July 2026

- Developed and deployed **REST APIs** handling authentication, business logic, and structured data workflows, writing clean, well-documented code following modular architecture practices.
- Optimized relational database performance, achieving **70% faster load times** and **80% fewer redundant queries** through indexed PostgreSQL schemas, optimized SQL joins, and server-side caching.
- Implemented **JWT-based authentication** with role-based access control, following security best practices across the full development lifecycle.
- Collaborated directly with clients in **English and Bengali** to gather requirements, propose technical alternatives, and deliver solutions aligned with business needs.

SELECTED PROJECTS

Collaborative Workspace — Real-Time Application

Next.js • Node.js • Express • Prisma • PostgreSQL • Socket.io • JWT • RBAC

[\[Live\]](#) — [\[GitHub\]](#)

- Built a full-stack collaboration platform with **real-time Socket.io** event handling, role-based access control (Admin, Member, Viewer), and a normalized **PostgreSQL schema** via Prisma ORM, deployed with Nginx and Docker.

Bilingual Fake News Detection System — NLP & Deep Learning (Thesis Project)

Python • PyTorch • XLM-RoBERTa • Hugging Face Transformers

[\[Live\]](#) — [\[Model\]](#)

- Fine-tuned a multilingual **XLM-RoBERTa transformer** model for bilingual (English-Bengali) fake news classification, deployed as an inference demo on Hugging Face.

ACHIEVEMENTS & EXTRACURRICULAR

- Gigalogy Technopreneurship 2026**, AI Startup Incubation Program: introduced Aira, an AI voice assistant offering customizable voice-agent automation that integrates with CRM systems to manage repetitive, autonomous call center workflows.
- Trained directly under industry leaders on taking an idea to product launch; reached the final round and presented the product idea to investors.
- Solved **250+ problems** across Codeforces, LeetCode, and Beecrowd, building a strong foundation in algorithms, data structures, and systematic debugging.
- Top 10%**, DIU Take-Off Programming Contest 2022 | **Top 5%**, Unlock The Algorithm Contest 2023 | **2nd Place**, DIU TypeTrack Faceoff 2023

CERTIFICATIONS

IBM Full Stack Software Developer (Coursera) — React & Advanced React (Meta) — Prompt Engineering for AI (Udemy)