Yeasir Arafat

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Summary

Application architect and developer at IFIC Bank, where I design and build the bank's digital account-opening systems across backend and frontend. My work spans identity verification, core banking integration, and data migration. I also have five peer-reviewed AI papers.

Experience

IFIC Bank PLC Aug 2025 – Present
Application Architect and Developer, Software Development Team · promoted to Senior Officer, Aug 2026

- Built branch-led eKYC and Selfled (the online account-opening channel) across Next.js and .NET 8, live in all 189 branches and 1,224 sub-branches since Sep 2026: identity verification, risk grading, and two-step approval with compliance review.
- Made customer and account creation in the core banking system safe to retry: it reuses recorded progress and treats an unconfirmed outcome differently from a refusal.
- Built PostgreSQL-to-Oracle data migration tooling with validation, reconciliation and rollback.
- Improved identity checks against the Election Commission database, account-opening PDF forms, and an integration-log viewer with masked credentials.

Next.js, .NET 8, Oracle 19c, PostgreSQL, REST/SOAP APIs

BJIT Limited Nov 2024 – Jul 2025
AI Trainee, then Software Engineer (AI)

- Researched speech-to-text and large language models for Memoscribe, an automatic meeting-minutes product.
- Built AI Photo Gallery, a photo-search chatbot using embeddings and a vector database (training capstone).

Projects

- **SynthNID** – A reader for Bangladeshi ID cards, trained without using any real ID cards. It reads 95% of Bangla names correctly on 400 real test cards. Paper in preparation; dataset published on Kaggle.
- **Shopnopath** (shopnopath.com) – Built web and Flutter clients for job-exam and IELTS/SAT preparation: server-timed tests, adaptive SAT practice, handwritten-answer OCR/grading, AI Writing/Speaking feedback, moderated content, and bKash/SSLCommerz checkout.
- **Sports Assistant BD** (sportsassistantbd.com) – Built a multi-tenant platform for sports academies and venues: fingerprint attendance, fee records and invoices, and ground booking that cannot be double-booked. Next.js and Flutter.

Education

United International University, B.Sc. in Computer Science and Engineering 2020 – 2024
CGPA 3.94 / 4.00, Summa Cum Laude. Merit scholarship every year.

Research

Five peer-reviewed papers, including a first-author journal article in *IET Blockchain* (Wiley, 2025) and an article in *Biomedical Signal Processing and Control* (Elsevier, 2026). 27 citations. Google Scholar

Skills

Languages: Python, C#, TypeScript, SQL · **Web:** Next.js, .NET, FastAPI · **Data:** Oracle, PostgreSQL
Machine learning: PyTorch, Hugging Face, model fine-tuning · **Tools:** Git, Docker, Google Cloud

Other

Teaching assistant at UIU for 8 terms · Head of the Programming Wing, UIU Computer Club · English (fluent), Bengali (native)