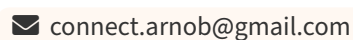
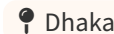


Kamrul Islam Arnob

Software Engineer / Forward Deployed Engineer



An AI-Driven builder who owns the full SDLC, from first spec to real-world deployment with a forward-deployed instinct to adapt to whatever the problem demands.

WORK EXPERIENCE

Programming Hero (Phitron Team)

Senior Executive, Marketing

Semi-Hybrid | Dhaka, Bangladesh Full-Time

Mar 2023 – July 2026

- Acted as **Product Manager** for Phitron's course platform and blog, managing content architecture, publishing workflows, UX feedback loops, and feature prioritization.
- Scaled short-form video output **3x**, directed **2 original short films**, and managed the end-to-end **Meta Ads strategy** across **5 enrollment cycles**.
- Awarded "**Master of Content & Creativity 2025**" - recognized for technical creativity, execution quality, and measurable business impact.

SKILLS

Languages & Frameworks: C#, ASP.NET Core, Entity Framework, Python, FastAPI, LangGraph, LangChain, Next.js, TypeScript, Node.js (Express.js)

Databases & Storage: RDBMS PostgreSQL, MySQL, Redis No-SQL MongoDB, Firebase, Supabase

Backend & Architecture: OOP, SOLID Principles, Clean Architecture, CQRS pattern, REST, gRPC, Event-driven architectures

Tools & Infrastructure: Figma (Intermediate), Docker, OpenTelemetry, Grafana, Git & GitHub, pgAdmin4, DBeaver, Google Workspace

Spoken Languages: Bangla (Native), English (Professional working proficiency)

AI-Driven Development: Practices context engineering and spec-first development with AI coding agents (Claude Code/Codex), scoping context deliberately, defining requirements before implementation, and verifying every agent-generated change before merge.

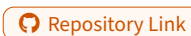
PROJECTS

AI-Powered University Tutoring System | LangChain | LangGraph | Python



- Architected an **AI-powered tutoring platform** for UIU to enable **RAG-based queries** across institutional question banks, course materials, and academic resources via a **LangGraph-orchestrated agentic workflow** using **LangChain** and **Python**.

Multi-Tenant SaaS E-commerce Platform | .NET Microservices | CQRS | PostgreSQL | Redis



- Engineered a **multi-tenant e-commerce platform** using **3 .NET microservices** adhering to the **CQRS pattern**, handling merchant store onboarding, catalog/inventory management, checkout workflows, and administrative oversight. Integrated real-time **SignalR push notifications**, automated **email dispatch**, **MinIO object storage**, automated **WebP image optimization**, and **Redis caching** over **PostgreSQL**.

Fera : Rehab Center Management System | Next.js | TypeScript | Firebase



- Built production **ERP software** for rehab center operations, actively deployed across **3 facilities** with **~90 daily staff users** running core operational workflows; self-taught **Next.js** and **Firebase Firestore** directly from official docs with no prior production experience.

MiniORM using ADO.NET | C# | .NET | ADO.NET | PostgreSQL



- Built a **lightweight ORM** directly on top of ADO.NET to map SQL data to C# objects, mastering low-level connection pooling, parameterized SQL queries, and reflection-based object mapping without framework abstractions.

EDUCATION

United International University (UIU)
B.Sc. in Computer Science & Engineering; Data Science (Major)

- Achieved **5x 50% & 7x 25%** result-based scholarships.
- 2x Winner of ‘CSE Project Show’.**

CGPA: 3.66/4.00
Feb 2022 – May 2026

Birshreshtha Munshi Abdur Rouf Public College
Higher Secondary School Certificate (Science)

Government Laboratory High School
Secondary School Certificate (Science)

GPA: 5.00/5.00
Apr 2018 – Dec 2020

GPA: 5.00/5.00
Feb 2008 – Jan 2018

HONORS & AWARDS

 Credentials	"Best Code Quality" Award at UIU Hackday 2026 <i>United International University</i>	2026
 Credentials	1st Runner Up in Software Engineering Lab <i>United International University</i>	2024
 Credentials	Champion at the System Analysis & Design Laboratory <i>United International University</i>	2023
 Credentials	1st Runner-Up in Programming for Beginners <i>United International University</i>	2022

CERTIFICATIONS

 Credentials	Supervised Machine Learning: Regression and Classification <i>DeepLearning.AI</i>	May 2024
 Credentials	Web Development with PHP & Laravel <i>Ostad</i>	Mar 2024
 Credentials	Learn Coding with Java from Scratch: Essential Training 2023 <i>Udemy</i>	Dec 2022

LEADERSHIP

UIU App Forum <i>Coordinator of Student Development & Innovation Hub</i>	Jun 2022 – Nov 2025
- Advanced through 4 progressive roles over 3.5 years to oversee the Software, Student Development, and Data Science departments. - Transitioned from General Secretary to coordinating the Student Development section, aligning operations with student needs and institutional objectives to foster campus-wide tech innovation.	
Science Club of Rouf College <i>Advisor & Former General Secretary</i>	Nov 2019 – Present
Progressed through 3 executive roles over 5+ years, currently serving as a strategic Advisor overseeing core team operations.	
BASIS Students’ Forum UIU Chapter <i>Co-Convenor</i>	Dec 2023 – Jan 2025
Served as a primary liaison, bridging communication and initiatives between UIU students and the national BASIS chapter.	
UIU Finance Forum <i>Co-Head of Design</i>	Mar 2023 – Aug 2024
 Credentials Co-led visual branding and creative direction for the Microsoft-authorized event, “The Excelist 2022”	
Science Club of Laboratorians <i>Strategic Coordinator</i>	Apr 2019 – Jan 2020
Founded and coordinated a targeted program to promote financial literacy among underprivileged high school students.	