

Shihab Sikder

AI/ML & FULL-STACK SOFTWARE ENGINEER • TECH LEAD

Mirpur-10, Dhaka, Bangladesh

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Education

B.Sc. in Computer Science and Engineering

Gazipur, Bangladesh

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT)

Jan. 2019 - May. 2023

- Completed Computer Science and Engineering program under the Department of Computer Science and Engineering, Islamic University of Technology (IUT).

Experience

BinduLogic

Mirpur, Dhaka

TECH LEAD (2024 - PRESENT) | BACKEND ENGINEER (JULY 2022 - 2024)

July 2022 - Present

- Leading technical architecture and development for Hospital Management Software
- Architected system design for Patient Data Management and Third Party Data Sharing
- Managing deployment for 10+ public hospitals including DMCH, CMCH, NIDCH, NICRH, KGH
- Implemented comprehensive test coverage and quality assurance

Maplarge

Remote

CONTRACTOR

January 2023 - Present

- Developing GIS applications using TypeScript
- Testing and validating Computer Vision models
- API development and technical documentation

Upwork

Remote

CONTENT WRITER & PROGRAMMER

June 2021 - Present

- Technical content writer for Data Structures and Algorithms (Guru99 team)
- API and Backend Development projects

Fiverr

Remote

FREELANCE PROGRAMMER (LEVEL 2)

December 2020 - July 2021

- Python automation scripts and concurrent programming
- Algorithm and data structure tutoring

Skills

Languages C/C++ • JavaScript/TypeScript • Python • Dart

Frontend React • Next.js • RTK • Chakra UI • Tailwind CSS

Backend Node.js • Express.js • Flask • Django

Database & Tools PostgreSQL • MongoDB • GraphQL • Prisma • Git

DevOps & Cloud Docker • Ansible • AWS • GCP • EasyPanel • CyberPanel

Specialized RAG • Graph RAG • GIS • Computer Vision • NLP

Projects

Gordian AI - Everstar

Generative AI

REGULATORY COMPLIANCE AI TRAINED ON MILLIONS OF NUCLEAR REGULATORY DOCUMENTS • [APP.EVERSTAR.AI]

April 2024

- Achieved 0% AI hallucination rate using advanced RAG architecture
- Manage regulatory complexity with confidence for market acceleration
- Tech: **Next.js, RAG, Generative AI**

Hospital E-Ticketing System

Full Stack Web Application

OPENMRS-COMPLIANT HOSPITAL TICKETING SYSTEM • [DMCH.BINDU.HEALTH, KGH.BINDU.HEALTH]

November 2023

- Deployed at DMCH, KGH, and 8+ public hospitals across Bangladesh
- End-to-end type safety using TypeScript for frontend and backend
- One-way OpenMRS data sharing with full compliance
- Tech: **React, Node.js, TypeScript, PostgreSQL, RTK**

Temp-Mail

Email Service

FULL-STACK DISPOSABLE AND REUSABLE EMAIL SERVICE • [TEMP-MAIL.LOL]

December 2023

- Reusable temporary email service with attachment support
- Real-time email delivery and storage system
- Tech: **React, Python, Flask, TypeScript, Chakra UI**

- Visualization for 5 sorting algorithms and 3 pathfinding algorithms
- Custom application engine with reactive UI design patterns
- Tech: C++, SFML, CMake

Certifications & Achievements

2024	Certification , API Full Stack Development	Upwork
2020	Professional Certificate , IBM Cybersecurity Analyst	Coursera
2020	Specialization , AWS Fundamentals	Coursera
2022	1st Place , University Cyber Drill 2022	BGD e-GOV CIRT (National)
2022	5th Place , KnightCTF 2022	KnightCTF (International)
2021	1st Place , IEEE CS BUET CTF 2021	BUET (National)