

# MD ANAWRUL KABIR FAHAD

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## SUMMARY

Software engineer with over a year of production experience at Poridhi.io. Built and operated a microservice based GPU platform on Kubernetes. Shipped React frontends for several products and works across backend, frontend and infrastructure.

## EXPERIENCE

### Poridhi.io

Junior Software Engineer (Intern, May – Jun 2025)

Remote, Bangladesh

May 2025 – Jul 2026

AI Studio | On demand GPU environments for Jupyter and VS Code ([ai.poridhi.io](https://ai.poridhi.io))

- Developed the Next.js frontend where users configure memory, GPU and editor (Jupyter, VS Code or custom) for each session.
- Partnered with the team to migrate the platform from AWS to a Kubernetes cluster on the company GPU server.
- Cut session launch time by about 70%, from 10–15 minutes to 3–5.
- Enabled six users to share 48 GB of VRAM at once by giving each an isolated 8 GB slice through HAMI.
- Brought the backend services, database and workflow engine online on the new cluster, each with its own access controls.
- Maintained and extended the earlier AWS version, which ran each session on a dedicated EC2 GPU instance.

TensorCode | Browser platform for AI, GPU and kernel programming ([tensorcode.poridhi.io](https://tensorcode.poridhi.io))

- Owned the frontend from the first version across coding problems, GPU courses and the browser IDE.
- Co-developed TensorRAG, a visual tool for building ML training pipelines from Python steps and running them step by step.
- Created the workflow that brings lab and problem content from GitHub into the platform.
- Connected the frontend to the service that runs user code on GPUs and managed its Kubernetes deployments.

Other work

- Contributed to an internal platform that provisions Kubernetes clusters on demand.
- Launched and maintained the Puku AI public website and internal admin tools and ran its subscription management.
- Onboarded and guided new interns, defining their first tasks and assigning project work.

## PROJECTS

PropBench | Rust, Tauri, Python, Svelte

[GitHub](#)

- Building an open source desktop application for developing and validating thermophysical property models.
- Architected a Rust core that drives a Python computation engine, using CoolProp for property data.
- Designed a sandboxed WebAssembly plugin system and a CI pipeline that ships installers for Windows, macOS and Linux.

Zeenah Store | Next.js, Supabase, Google OAuth, Vercel

[Live Site](#)

- Develop and operate a live store for handloom sarees and jewellery with cart, guest checkout, Google sign-in and order history.

AI Meeting Notes Platform, Olly Labs | React, Supabase, Microsoft Azure

- Shipped a meeting assistant that records calls and turns the audio into notes and AI summaries.

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, Go, SQL

**Frontend & Backend:** React, Next.js, Node.js, PostgreSQL, Redis

**Infrastructure:** Kubernetes, Docker, AWS, Temporal, GitHub Actions

**AI Tools:** Claude Code, Cursor

## EDUCATION

Chittagong University of Engineering & Technology (CUET)

B.Sc. in Mechanical Engineering (in progress)

Chattogram, Bangladesh

Apr 2022 – Present

## AWARDS & COMPETITIONS

Champion, Break The Monolith Hackathon

2025

Finalist and Rising Team Award, API Avengers, Televerse 1.0, CUET

2025

7th Place, Brain Station 23 AI Engineering Hackathon

2025

Participant, NextGen Hackathon, IIUC

2025

Contestant, ICPC Dhaka Regional Preliminary, CUET IUPC and ASRRO Robocoder Contest

2022 – 2023

Recognition, Robo Soccer, Chittagong Science Carnival 2.0

2022