

TAMZEED MAHFUZ

Dhaka, Bangladesh

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 [Portfolio](#)  [Github](#)

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SUMMARY

A **full stack developer** and **research enthusiast** with interest in system design, natural language processing, computer vision. Currently expanding knowledge in respective fields. Pursuing opportunities in software development projects, research works and machine learning fields.

PROJECTS

Foodhub

- Created and deployed [Foodhub](#), a web-platform for foodlovers. Implemented the entire project following standard microservices architecture.
- Used Spring Boot and FastAPI for backend, NextJS for frontend.
- Implemented full CI/CD pipeline using github actions, and deployed the entire project on Google Kubernetes Engine.

Notes

- Built and deployed [Notes](#), a personal note-keeping companion.
- Used Django Rest Framework for [backend](#), and NextJS for [frontend](#). Supabase for database.
- Deployed on Vercel and Render.

Chain Reaction

- Developed and deployed [Chain Reaction](#), a 3D game with AI agent implemented.
- Used the Unity Game Engine to develop game environment, isolated AI agent implementation on separate server built using Java Spring Boot
- Deployed on [UnityHub](#) and Render.

PUBLICATIONS

- Collaborated on paper "[Too Late to Train, Too Early To Use? A Study on Necessity and Viability of Low-Resource Bengali LLMs](#)" (**COLING 2025**). Learning natural language processing.
- Worked on paper "[Efficient Real-Time Video Colorization on Low-End CPUs via Pruning and Quantization](#)". Learning computer vision.

ACHIEVEMENTS

- Top 5 teams at **IEEE VIP Cup 2025** among worldwide participants
- Finalist at **KUET Bitfest Datathon 2025** among countrywide participants

EDUCATION

2022 - Present | Bangladesh University of Engineering and Technology

Bachelor of Science in Computer Science and Engineering

2019 - 2022 | Notre Dame College

Higher Secondary School Certificate

LANGUAGES

- Python
- Java
- C++
- Javascript

TECHNICAL SKILLS

- | | |
|--------------------|----------------|
| • Node | • Pytorch |
| • Django | • Tensorflow |
| • FastAPI | • Pandas |
| • Spring Boot | • Numpy |
| • NextJS | • Transformers |
| • Flutter | • OpenCV |
| • Postgres | • vLLM |
| • Docker | |
| • Kubernetes | |
| • Microservices & | |
| DevOps | |
| • Unity | |
| • Machine Learning | |