

TAMZEED MAHFUZ

📍 Dhaka, Bangladesh

🌐 [Linkedin](#)

📁 [Portfolio](#) [Github](#)

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SUMMARY

A **full stack developer** and **research enthusiast** with interest in machine learning, deep learning, natural language processing, computer vision and software development. Currently expanding knowledge in respective fields. Pursuing opportunities in software development projects, research 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 2 player 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"**. Learning natural language processing.
- Worked on [paper](#) **"Efficient Real-Time Video Colorization on Low-End CPUs via Pruning and Quantization"**. Learning computer vision.

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

SKILLS

- Python
- Java
- C++
- Javascript
- Node
- Django
- FastAPI
- Spring Boot
- NextJS
- Flutter
- Postgres
- Docker
- Kubernetes
- Microservices & DevOps
- Unity
- Machine Learning
- Academic Research