Saimongu Marma

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in LinkedIn ⌗ GitHub ◉ Portfolio

Education

East Delta University	*Sept 2022 – Sept 2026*
BSc, Computer Science and Engineering	**CGPA: 3.07 / 4.00**
Rangamati Govt. College	*2020 – 2021*
Higher Secondary Certificate (HSC) – Science	**GPA: 4.75 / 5.00**
Rani Dayamoyee High School	*2015 – 2019*
Secondary School Certificate (SSC) – Science	**GPA: 4.33 / 5.00**

Skills

Expertise	JavaScript (ES6+), React, MongoDB, HTML/CSS, Tailwind CSS
Comfortable	REST APIs, Git, Arduino, Competitive Programming
Tools	GitHub, VS Code, Postman, Figma, Chrome DevTools
Others	Basic Node.js & Express.js

Projects

Food Service Management in Cafeteria ↗

- **Developed** a console-based C application for menu management, order processing, billing, and sales reporting.
- **Employed** file I/O for data persistence and modular design for maintainability.
- **Achieved** 100% elimination of manual billing errors and 40% faster order turnaround.

Portfolio Website Live | ↗

- **Created** a personal portfolio showcasing projects, skills, and achievements.
- **Designed** a clean, mobile-responsive layout with smooth navigation and optimized performance.

FloodGuard Aid Network Live | ↗   React, Node.js, MongoDB

- **Built** a disaster relief web application connecting flood victims with volunteers for a national hackathon.
- **Integrated** geolocation, mapping, and image upload features to facilitate efficient aid distribution.
- **Ensured** seamless data handling using **React**, **Node.js**, and **MongoDB** with responsive UI design.

ML Study Buddy ↗   Next.js, FastAPI, Python   Live

- **Engineered** a RAG system with Next.js and FastAPI for intelligent document retrieval and AI-powered ML tutoring.
- **Integrated** fine-tuned sentence-transformers embeddings, achieving **15–25% improvement** in Recall@5, MRR, and NDCG via contrastive learning.
- **Implemented** voice features (Whisper STT, SpeechT5 TTS) and deployed on Vercel with PDF, OCR, and web content support.

Achievements

- Participated in a **National Hackathon** organized by Programming Hero.
- **IUPC** participated in Premier University.
- **IUPC** Solo Contest participated in East Delta University.
- Participated in the **East Delta University Hackathon** (November 29, 2025).

Extracurricular & Leadership

Sub-Executive Member, EDU Computer Club *2023 – Present*

- Served as Sub-Executive Member during the 2023–2024 and 2024–2025 tenures.
- Gained valuable experience in teamwork and event organization.
- Actively contributed to arranging major events including **Hack Fest**, **IUPC**, and seminar discussions.
- Supported and participated in numerous club activities, enhancing organizational and collaborative skills.
- Developed confidence in contributing effectively to future tenures and leadership roles.

Technical Skills

Languages (Programming)	JavaScript, Python, C, HTML/CSS
Frontend	React, Tailwind CSS, Bootstrap 5
Tools	Git, GitHub, VS Code, Postman, Figma, Vercel
Backend & DB	Basic Node.js, Express.js, MongoDB, REST APIs
AI / ML	Basic RAG Systems, sentence-transformers, FAISS

Additional Skills

Languages (Spoken)	Bangla (Native), Marma (Native), English (Proficient)
Hobbies	Book Collection, Traveling, Animal Rescue

References

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