

Tanzimul Karim

Dhaka, Bangladesh | +880 1983-042580 | tanzimul652@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Computer Science undergraduate interested in software engineering, AI, cybersecurity, and neural computing

Education

BRAC University

Bachelor of Science in Computer Science

2022 – Present

Dhaka, Bangladesh

- **Relevant coursework:** Software Engineering, Neural Networks, Data Structures and Algorithms, Database Systems, Compiler Design, Computer Graphics.

Experience

Team Member – [Haifa Intelligence](#)

Present

Co-owner – Steam Store Bangladesh (SSB)

May 2025 – March 2026

- Co-managed an online digital-products business, including customer communication, daily operations, and sales records.

Technical Skills

Programming: Python, JavaScript, TypeScript, C, C++, SQL

Web and Backend: React, Next.js, Node.js, Express.js, FastAPI, REST APIs

Data and Tools: PostgreSQL, Git, GitHub, Jupyter Notebook, VS Code, OpenGL

Academic Exposure: Machine learning workflows, feature engineering, model evaluation, neural networks, GNN/BERT concepts

Selected Projects and Research

Road Deterioration Prediction

Python, Machine Learning

- Developed a road-condition prediction workflow using road and environmental data, with preprocessing, engineered features, model evaluation, and leakage-aware experimentation.

GNN-BERT Music Context

Neural Networks, NLP

- Worked on a research-oriented project combining graph-based learning and contextual language representations for music-context analysis; prepared the technical report.

MediTrack – Healthcare Management Platform

React, TypeScript, PostgreSQL

- Contributed to a team-developed healthcare application, implementing diet and calorie logging and integrating frontend components with backend APIs and database schemas.

Global River Database (GRD)

Next.js, Web Development

- Contributed frontend improvements and backend integration updates to a collaborative river-information platform.

LiveGPS – Location Visualization

React, OpenStreetMap

- Built an interactive mapping interface with location broadcasts, map interactions, and simulated real-time location tracking.

Areas of Interest

Software Engineering, Artificial Intelligence, Cybersecurity, Neural Computing, Backend Development, Applied Research.

Languages

Bengali (Native), English (Professional), Spanish (Basic), French (Basic).