

MD SHAHRIAR HOSSAIN

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OBJECTIVE

I'm a fresh Computer Science graduate with hands-on experience in full-stack web development using mern, SQL and NoSQL databases. I love to work full stack and I'm seeking to deepen my expertise as a Backend developer or enginner. I also have foundational knowledge of AI/ML as complementary expertise.

SKILLS

Programming Languages	JavaScript, Python
Web Technologies	MERN Stack (MongoDB, Express.js, React, Node.js), Firebase, Tailwind, JWT
Databases Management	SQL and NoSQL (MySQL, MongoDB)
Tools & Version Control	Git

Secondary Skills: DNN, Neural Networks, Machine Learning, Natural Language Processing (Basics), PyTorch, TensorFlow, scikit-learn, C (basics)

WEB APPLICATION PROJECTS

SurveyHub — MERN Stack Independent [GitHub](#)
Designed and developed a full-stack survey platform supporting survey creation, voting, and result visualization. Future plan is to add RAG for further deep analysis.

BizNest — MERN Stack Independent [GitHub](#)
Developed a full-stack e-commerce platform similar to Amazon/Daraz, featuring product listings, user management, and order workflows. Planning to add ai based dynamic recommendation and purchase guide .

Grocery Hub — PHP, SQL Acedemic [GitHub](#)
Built a grocery management and ordering system using PHP and SQL, implementing product management, user authentication, and database-driven operations.

AI,ML,DNN PROJECTS

Multi-Omics Sarcoma Subtype Classification (Thesis) 2025 – Present
Undergraduate Thesis *Academic Research* [GitHub](#)

- Developed a machine learning pipeline for sarcoma cancer subtype classification using multi-omics data.
- Performed data preprocessing, feature selection, and model training using Pytourtch ML frameworks.

Music Data Clustering and Feature Extraction *Academic* [GitHub](#)
Academic Project

- Extracted audio features and applied unsupervised learning techniques to cluster music data.
- Explored data-driven pattern discovery for music-related analysis tasks.

EDUCATION

Higher Secondary Certificate, Mirpur bangla School and College 2018
GPA:4.22

Higher Secondary Certificate, Monipur High School and College 2020
GPA:4.17

Bachelor of Computer Science, BRAC University 2022 - January 2026 CGPA : 3.29