

Md Fuadul Islam

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Education

Shahjalal University of Science & Technology, Sylhet
BSc(Eng) in Computer Science & Engineering

CGPA: 3.75/4 (Upto 7th Semester)
Jan. 2019 – Feb. 2024(expected)

Projects

Manush Management System

[Github link](#)

A web project based on creating a solution for hiring local day laborers online .

- Used geolocation api and euclidean distance to find local workers near a client.
- Creation and modification of user profile with profile picture, searching based on location and work type, filtering search results, reviewing and rating works, sending and accepting requests for works, and viewing work history are some of the key features of this project.

Technologies [MySQL](#) [ExpressJS](#) [ReactJS](#) [NodeJS](#) [Geolocation](#)

ActionFigureBank

[Github link](#)

This project is a combination of an online shop for selling action figures and a bank.

- Adding items to a cart, placing orders using bank information, order status, accepting orders by seller, adding credit to the user account by admin, viewing balance and transaction history from the bank website are some of the key features of this project.
- The main objective of this project was getting familiar with backend api creation and handling.

Technologies [MongoDB](#) [NextJS](#) [Tailwind CSS](#) [NodeJS](#)

Shonket

[Github link](#)

This is a Bangla sign language generation app for deaf people.

- Integrated CWA Signing Avatars into an android system.
- Generating Bangla sign language using an animation avatar from Bangla speech is the main feature here.

Technologies [Android](#) [Java](#) [Speech To Text](#) [Deep Learning](#) [Fast Api](#) [Python](#)

Ufos Vs Plane

[Github link](#)

A single player 2D game using java swing.

- The main focus of this project was getting familiar with object-oriented programming.
- Start menu, pause option, scoring system, saving highest score, and sound effects are some of the key features of this project.

Technologies [Java](#) [Java Swing](#) [OOP](#)

Problem Solving

I have **solved 650+ programming problems** on various online judges. Became **specialist in codeforces and 3 star in codechef**.

Codeforces: https://codeforces.com/profile/ab_24 | LightOJ: https://lightoj.com/user/ab_24
CodeChef: https://www.codechef.com/users/ab_24 | LeetCode: <https://leetcode.com/ab24/>

Skills

Languages: Java, JavaScript, C++, Python

Database: MySQL, MongoDB, Firebase

Technologies & Tools: MERN stack, NextJS, Bootstrap, Tailwind CSS, Android, FastAPI, ML, Linux, Git

Research Experience

- Currently working on **Bangla sign language generation** using animation avatars as my final year thesis.
- Also working on **Bangla lemmatizer** as a sub-part of our thesis.
- Submitted a conference paper on Bangladeshi paper currency recognition using **vision transformer**.