

Mohammad Sabbir Musfique

Software Developer, AI/ML Enthusiast
CSE, MIST

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EDUCATION

Military Institute of Science and Technology

Apr 2021 – July 2025

Bachelor of Science in Computer Science and Engineering. CGPA: 3.31/4.00

EXPERIENCE

Competitive Programming Mentor

Apr 2022 – Mar 2023

MIST Computer Club

- Mentored students in C and C++ programming, focusing on problem-solving and algorithmic thinking.

Industrial Trainee

Feb 2024 – Mar 2024

Desco ICT Division

- Gained exposure to software development, automation technologies, and utility management systems.

PROJECTS

NextBlog - A Blogging Website

[Live Link](#) | [Client Code](#) | [Server Code](#)

React, Node, Express, MongoDB, Tailwind, Vercel, Render

- Built a blogging platform enabling users to register, create and manage posts, and maintain profiles.
- Integrated secure authentication, protected routes, rich-text editing, image uploads, and error handling.

Bikreta - A Friend of Growth

[Live Link](#) | [Client Code](#) | [Server Code](#)

React, Node, Express, MongoDB, Cloudinary, Netlify, Render

- Built a e-commerce platform that empowers small business owners to purchase products in bulk.
- Included admin dashboards to analyze sales trends using basic data visualizations.

Bangla Sign Recognition using Hand Gestures

[Full Code](#)

Tensorflow, Keras, GridSearchCV, Sk-learn, OpenCV

- Trained and optimized multiple ML and DL models on augmented BdSL datasets using GridSearchCV, and integrated the best model into a real-time sign detection system with OpenCV and MediaPipe.

Cold Email Generator

[Live Link](#) | [Full Code](#)

Streamlit, LangChain, Google Gemini AI, Faiss

- Developed a Cold Email Generator app that scrapes job postings and generates personalized emails using Google Gemini AI and LangChain.
- Integrated FAISS and Sentence Transformers to match job requirements with portfolio items.

OneConnect App - Android-based Donation Platform

[Demo Video](#) | [Full Code](#)

Flutter, Firebase, Firestore, Getx

- Developed a donation app enabling users to contribute to verified individual posts, a central fund.
- Implemented role-based access control for admins to manage users and see donation data through graphs.

TransitPro - A Combined Bus Management System

[Demo Video](#) | [Full Code](#)

Laravel, Oracle, Xampp

- Developed a bus management system with role-based access for admins and staff, supporting multi agency operations, trip scheduling, ticketing, trip history tracking, and maintenance request handling.

SKILLS

Programming Languages: C/C++, Python, Java, JavaScript, PHP, Dart

Development Stack: MERN, Flutter

Databases: MongoDB, PostgreSQL, Firebase, MySQL, Faiss

Machine Learning: Model Development, Sk-learn, Tensorflow, Keras, NLP, OpenCV, Langchain

Relevant Coursework: DSA, OOP, DBMS, OS, Software Engineering

Spoken Languages: Bangla (Native), English (Professional)

ACHIEVEMENTS

Pupil in Codeforces (Max Rating : 1388 , Username: sabbir_063)	July 2024
2 star in CodeChef (Max Rating : 1573 , Username: sabbirmusfique)	May 2024
Solved 500+ Problems in Leetcode (Max Rating : 1496 , Username: sabbir_063)	May 2025
7th place in Independent Day Programming Contest 2023	Apr 2023

PROGRAMMING CONTESTS

UU Inter University Programming Contest 2025	Jun 2025
<i>Team: MIST_hotasha</i>	Position: 72th
DUET Inter University Programming Contest 2025	May 2025
<i>Team: MIST_EaglesEye</i>	Position: 65th
Independent Day Programming Contest 2023	Apr 2023
<i>Team: MIST_Troubleshooters</i>	Position: 7th
SEC Inter University Junior Programming Contest 2022	Aug 2022
<i>Team: MIST_UpsideDown</i>	Position: 51th

CERTIFICATIONS

Problem Solving (Intermediate) Certificate - HackerRank Certificate	Jan 2025
Intermediate Git Certificate - Datacamp Certificate	May 2025
SQL (Intermediate) Certificate - HackerRank Certificate	Apr 2025
Supervised Learning with scikit-learn - Datacamp Certificate	Dec 2024
Introduction to Natural Language Processing in Python - Datacamp Certificate	Dec 2024
Full Stack Development with MERN - Grameenphone Academy Certificate	July 2025