Md. Mehedi Hasan

Date of birth: 03/02/2000 | **Place of birth:** Bangladesh | **Nationality:** Bangladeshi |

Phone number: (+880) 1953613643 (Mobile) | **Email address:** mehedihasancse20@gmail.com |

Address: Bangladesh (Home)

EDUCATION AND TRAINING

10/02/2020 – 01/02/2026 Barishal, Bangladesh
BACHELOR OF SCIENCE (BS) IN COMPUTER SCIENCE AND ENGINEERING University of Barishal

Field(s) of Study: Programming and Problem Solving, Data Structures & Algorithms, Data Communication, Database Management System, Computer Network, Software Engineering, Artificial Intelligence, Data Mining, Object Oriented Programing, Statistics, Linear Algebra, Economics.

Website https://bu.ac.bd/ | **Final grade** 3.63 | **Level in EQF** EQF level 6 |

Thesis Self-Adapting Online Clustering for Evolving Data Streams

LANGUAGE SKILLS

Mother tongue(s): **BENGALI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	B2	B2	B2	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

2025
SDNGuardStack: An Explainable Ensemble Learning Framework for High-Accuracy Intrusion Detection in Software-Defined Networks

Focus: Enhancing network security through transparent machine learning approaches

Authors: Md.Mehedi Hasan | **Journal Name**: 15th IEEE International Conference (CSNT2026) | **Volume, Issue and Pages**: Submitted | **Publisher**: IEEE

2026
A Reliable and Explainable CNN Ensemble Benchmark for Multi-Class Brain Tumor MRI Classification

Focus: Developing interpretable deep learning models for medical image analysis

Authors: Md.Mehedi Hasan | **Journal Name**: 2nd IEEE International Conference (QPAN) | **Volume, Issue and Pages**: Submitted | **Publisher**: IEEE

WORK EXPERIENCE

LAB ASSISTANT – EDGE PROJECT, ICT DIVISION, GOVERNMENT OF BANGLADESH – 10/04/2024 – Current – BARISHAL, BANGLADESH

• Mentored 40+ undergraduate students in practical programming sessions covering C, C++, and data structures
• Conducted weekly laboratory sessions for Computer Programming and Algorithm courses
• Developed supplementary learning materials and coding exercises to reinforce lecture concepts

- Provided one-on-one tutoring for students struggling with algorithmic problem-solving
- Maintained laboratory equipment and software environments for optimal learning experiences

CERTIFICATIONS

ICT Division, Government of Bangladesh, 15/10/2024
Mobile Application Development

Mode of learning: Project based

Duke University via Coursera, 13/09/2024
Data Science Math Skills

Mode of learning: Online

Link https://coursera.org/share/1986303f2a83716776420d56c5a48a31

COMPETITIVE PROGRAMMING

Problem solving

Solved 500+ algorithmic problems demonstrating expertise in data structures and algorithms Strong foundation in dynamic programming, graph theory, greedy algorithms Active problem solver across multiple competitive platforms:
- Codeforces: mhd_hasan — Regularly participates in rated contests
- CodeChef: mhd_hasan — Solved problems across difficulty levels
- LeetCode: h_hasan — Focused on interview preparation and algorithm optimization

PROJECTS

MetaQuest

A system that provides relevant answers to user queries by combining data from **search engines** and **community-based answers**.

Link https://github.com/mehedihasan20cse016/seo_project

06/11/2025 – CURRENT
TOEFL AI Master

An interactive TOEFL preparation platform enhanced with AI-powered practice, feedback, and personalized learning tools.

Link https://toefl-practice-2026.netlify.app/toefl-2026/

11/06/2025 – 25/12/2025
Customer Segmentation App

A complete end-to-end solution for dynamic customer segmentation using machine learning and Flutter.

Link https://github.com/mmehedi20cse-007/customer-segmentation

05/06/2023 – 03/02/2024
Voice-Controlled Car Project

A microcontroller-based project designed to control a car using Bluetooth-enabled voice commands, with automatic object detection functionality.

Link https://github.com/mehedihasan20cse016/Voice-Controlled-Car

HONOURS AND AWARDS

25/07/2018
SSC Talentpool Scholarship – Bangladesh Madrasa Education Board

Received SSC Talentpool Scholarship from Bangladesh Madrasa Education Board for excellent academic results.

LEADERSHIP & COMMUNITY SERVICE

05/02/2023 – CURRENT
Founder, Genius Academy

Established free educational platform providing high-quality academic and technical learning resources

Link https://www.facebook.com/geniusacademybu

20/01/2024 – CURRENT
Life member

Public University Students Association, Rajibpur (PUSAR) is a non-political, student-driven platform that works to connect and support students of public universities from Rajibpur.

Link https://pusar.org

LEADERSHIP & COMMUNITY SERVICE

05/02/2023 – CURRENT
Founder, Genius Academy

20/01/2024 – CURRENT
Life member