

Mehreen Tabassum Maliha

☎ 01772431025 | @ mehreenmaliha14@gmail.com |  LinkedIn |  GitHub |  Portfolio

EDUCATION

Bangladesh University of Engineering and Technology

Dhaka, Bangladesh

B.Sc. in Computer Science and Engineering; **GPA: 3.61/4.00**

Feb 2020 – March 2025

Barishal Govt. Women's College

Barishal, Bangladesh

Higher Secondary School Certificate; **GPA: 5.00/5.00**

2017 – 2019

SKILLS

Programming Languages:	C/C++, Java, Python, JavaScript, SQL
Technologies:	HTML5, CSS, Bootstrap, MySQL, NodeJS, Oracle(SQL), React, Flutter, Hugo, MongoDB
Softwares:	Adobe Illustrator, Adobe Photoshop, Code::Blocks, IntelliJ IDEA, VS Code, Sublime Text, JavaFX Scene Builder 2.0, Navicat Premium 16

EXPERIENCE

Software Engineer, OPlusDojo

Project: Elora — Healthcare Resource Management System

October 2025 – Present

- Full-stack healthcare platform with AI-powered needs assessment, voice transcription, and resource recommendation for Community Health Workers
- Tech Stack: TypeScript, React, Python, PostgreSQL, Pinecone, AWS

Trainee Engineer, Nifty Coders

Training Program

August 2025 – September 2025

- Gained hands-on experience with C#, .NET, Angular, Flutter, Docker, and Kubernetes
- Worked with project management tools and followed agile development practices

PROJECTS

Bhromor-Chatbot | [GitHub](#)

- Built an AI-powered chatbot using React, Node.js, and OpenRouter API to deliver contextual responses via large language models.
- **Technologies Used :** React.js, Node.js, OpenRouter API, MongoDB

Multilabel Facial Expression & Intensity Detection | [GitHub](#)

- Developed a deep learning model (ML-CNN, ResNet50) to classify multiple emotions and estimate intensity from facial images.
- **Technologies Used :** Python, TensorFlow, Keras, Scikit-learn

DiaMate | [GitHub](#)

- Created a healthcare management mobile app enabling diabetic patients to track metrics, book appointments, and interact with doctors.
- **Technologies Used :** Flutter, Javascript, HTML/CSS, Firebase Realtime Database, Azure, Node.js

FoodXpress | [GitHub](#)

- Developed a food delivery platform supporting multi-restaurant orders, improving user flexibility and experience.
- **Technologies used:** ReactJS, NodeJS, Postgres

FoodnPleasure | [GitHub](#)

- Developed a restaurant management system supporting four restaurants, enabling customers to place online orders and reservations with integrated special offers
- **Technologies Used :** HTML/CSS, Bootstrap, Oracle, NodeJS

AWARDS & ACHIEVEMENTS

- **BWCSE Project Show-Casing Competition:** Achieved 3rd place in the BWCSE Project Showcasing Competition, demonstrating innovation, technical expertise, and problem-solving skills. The project was evaluated based on creativity, implementation, and impact. (2023)
- **Micro-controllers & Micro-processors Sessional Project:** Secured 1st place as a team of 5 in the Microcontrollers & Microprocessors Sessional Project. Designed and implemented an innovative racing car game, demonstrating expertise in embedded systems, circuit design, and microcontroller programming. (2022)

RESEARCH EXPERIENCE

Undergrad Thesis November, 2023 – March, 2025	WiFi Received Signal Strength (RSS) Based Automated Attendance System Designed an attendance system leveraging WiFi signal data; applied k-NN classification to detect presence.
---	--

VOLUNTARY EXPERIENCES

Bangladesh Women in Computer Science and Engineering(BWCSE) President	2024 - Feb, 2025
IEEE Computer Society BUET Student Branch Chapter Design Committee Chair	May, 2024 - Feb, 2025
Buet Self Defense Club Vice President	July, 2024 - Feb, 2025
Buet Origami Club Vice President	July, 2024 - Feb, 2025
Charcoal - BUET Artista Society Associate General Secretary	Oct, 2024 - Feb, 2025
Bangladesh Women in Computer Science and Engineering(BWCSE) General Sectretary	2023 - 2024
IEEE Computer Society BUET Student Branch Chapter Program Committee Coordinator	2023 - 2024
Bangladesh Women in Computer Science and Engineering(BWCSE) Content Creator	2022 - 2023