

Noman Saffat Sajid

Personal Information

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Education

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| North South University | September 2025 |
| <i>Bachelor of Science in Computer Science and Engineering (BSCSE)</i> | CGPA: 3.87 out of 4.00 |
| Dhaka City College | 2020 |
| <i>Higher Secondary Certificate Examination (HSC)</i> | GPA: 5.00 out of 5.00 |
| Government Laboratory High School | 2018 |
| <i>Secondary School Certificate Examination (SSC)</i> | GPA: 5.00 out of 5.00 |

Research Experience

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| Computationally Efficient Target Localization and Segmentation | 2024 - Ongoing |
| <i>Under the supervision of Dr. Md. Shahriar Karim, Assoc. Prof. ECE, NSU</i> | |
| <ul style="list-style-type: none">Working on a processing block, to segment region of interest from images, while reducing the computational expense, without compromising segmentation accuracy. | |
| An Optimal Transport-based Generative Framework For Modelling Distributions | 2025 - Ongoing |
| <i>Under the supervision of Dr. Mohammad Shifat-e-rabbi, Asst. Prof. ECE, NSU</i> | |
| <ul style="list-style-type: none">Working on a transport based method for effective image classification. | |

Publications

N. S. Sajid and M. S. Karim, 'Target localization in cell-based image analysis and disease diagnosis',
in Learning Meaningful Representations of Life (LMRL) Workshop at ICLR 2025

Course Projects

- E-commerce System** | *Database Course Project*
- Designed a database using Entity-Relationship diagram, satisfying the given entity and relationship constraints.
 - Implemented the frontend and backend of a website using HTML, CSS and PHP, to interact with the database.
- Vaccine Management System** | *C Programming Course Project*
- Created a console based application using C program, to keep track of vaccine storage.
 - Implemented admin and user login, password change, delete, new password setting and vaccine storage update functionality using file processing in C.
- IoT-Based Smart Home Security and Monitoring System** | *Embedded Systems Course Project*
- Interfaced the STM32 blue pill microcontroller with bluetooth module, OLED display and sensors.
 - Implemented a mobile application using MIT app inventor to send the password stored in the database and to store in database, successful or failed attempts to unlock the device.

Extracurricular Experience

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| DB Hackathon: Database Design Challenge | October 2023 |
| <i>2nd prize winner</i> | <i>NSU, Dhaka</i> |
| <ul style="list-style-type: none">Solved different situation based problems using Entity-Relationship diagram.Wrote SQL queries to solve competition problems. | |

Skills

Languages: English and Bengali
Programming Languages (Intermediate): C, Python, Java and C++
Programming Languages (Basic): Prolog and Fortran
Operating Systems: Linux and Windows