Md. Saiful Islam

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Objective

Recent BSc graduate in Computer Science and Engineering from North South University with a passion for programming, web, and software development. Skilled in Java, JavaFX, C, SQL, HTML, and CSS, and currently learning Flutter, I have built several applications showcased on my GitHub. Eager to work with an organization that offers opportunities for growth and learning, I aim to utilize my skills to drive business improvements and enhance market reach while aligning with the organization's objectives.

Education

2019-2024
North South University
BSc. in Computer Science and Engineering
Department of Electrical and Computer Engineering

CGPA: 3.33 out of 4.00 (87.2% Marks)

2016-2018
Shaheed Police Smrity College
Higher Secondary Certificate

Division: Science
GPA: 4.17 out of 5.00

2013-2015
Nahar Academy High School
Secondary School Certificate

Division: Science
GPA: 4.78 out of 5.00

Research experience

2023-2024
North South University, BD
Advisor: Professor Md. Shahriar Hussain (HSM)
Position: 1st Author

- **Business Card Reader using Computer Vision (CV) & Natural Language Processing (NLP) (Spacy)**
- The Business Card Reader Web App uses image processing, named entity recognition and optical character recognition to extract meaningful information from business cards, Users of the program can visualize information taken from photographs, detect items, and upload images.

2023-2024	**North South University, BD** **Advisor: Professor Md. Shahriar Hussain (HSM)** **Position: 2nd Author** • **An Intelligent Conversational Agent for Exploring Histrorical Knowledge (HisBot)** • This project entails the development of a dynamic conversation system designed to facilitate interactions between humans and an artificial intelligence (AI) entity. The primary focus of the AI is to provide informative responses to questions related to the British rule in India.

Projects

Dec 2020	**BMI Tracker** A simple **JavaFX** desktop application for measuring BMI.
Jan 2021	**GYM Members Management System** This Gym Management System, built with **Java** and **JavaFX**, streamlines operations by efficiently managing member data using a file-based storage and retrieval system.
Jan 2021	**Sequential Circuit for 7-Segment Display for Sf2071** Developed a sequential circuit for a 7-segment display using combinational logic and counters to simulate "Sf2071" continuously. The project involved designing and integrating combinational circuits with a counter for dynamic display functionality.
Dec 2021	**ISP Management System** Built an ISP Management System with **HTML**, **C#**, and **MySQL**, resolving challenges in **SQL CRUD** operations and database integration while enhancing frontend-backend connectivity skills.
Dec 2021	**Design and Implementation of a 32-bit ALU and Datapath** Developed a **32-bit ALU** with control units for logic, arithmetic, and multiplication functions integrated using a 6:1 **multiplexer.** Extended the design to include a datapath with a **32-bit register** file, instruction fetch unit, and R-format instruction simulation, combining theoretical concepts with practical application.
Feb 2022	**We Care – An Android app** An **android app** for an autistic child to find their nearest institutions, medical care and needs.
Dec 2022	**OCR from Image (Text Scanner - OCR)** Developed an Android app using **Java**, **Firebase ML**, and Android Studio to digitize text from images through Optical Character Recognition (OCR), enabling text extraction, editing, and saving. Gained experience in machine learning integration and real-time character detection.
Dec 2022	**Car Parking System using Arduino (Simulation Only)** Developed a smart parking system using **Arduino UNO** and **RFID** technology to optimize parking space usage, automate payment, and detect fire hazards. The system includes real-time spot detection, gate control, and notifications via LCD and buzzer, enhancing parking efficiency and reducing congestion.

| | Oct 2023 | **Smoke And Flammable Gas Detector Using Arduino Uno and MQ-2**
Designed a gas and smoke detection system using an **MQ-2 sensor** and **Arduino UNO**, triggering alerts via LEDs and a buzzer when gas levels exceed a set threshold. |

Affiliations

| 2023-2024 | **SBC GYM**
IT & Digital Marketing Operator |

Activities

| 2022-2023 | **General Member**
Computer and Engineer Club, NSU |
| 2022-2023 | **General Member**
Ethics and Diversity Club, NSU |

Languages

Bangla	Native language
English	Intermediate Listener, Novice Speaker, Advanced Reading and Writing
Hindi	Intermediate Listener, Beginner Speaker

Technical Strengths & Skills

Programming	C, C++, JAVA, JavaFX, MySQL, HTML, CSS, JavaScript, Flutter, PHP, Python
Applications	Android Studio, Eclipse, VSCode, Jupyter Notebook, Excel, PowerPoint, Word, Access, Canva, Adobe Photoshop, Adobe Premiere Pro
Modeling	AutoCAD, SketchUp, Multisim, Logisim
Soft Skills	Leadership, Teamwork, Decision Making, Fast Learning, Problem Solving, Programming, Engaging Presentation and Fast typing speed.