

Shekh. Md. Saifur Rahman

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EDUCATION

MILITARY INSTITUTE OF SCIENCE AND TECHNOLOGY

BSC IN COMPUTER SCIENCE AND ENGINEERING

CGPA 3.88/4.00

January 2020-Present

MOULVIBAZAR GOVT. COLLEGE

HSC IN SCIENCE

2016-2018

LINKS

Github:// [BrownFalcon001](#)

LinkedIn:// [Saifur Rahman](#)

CodeForces:// [brownFalcon](#)

CodeChef:// [brownfalcon](#)

AtCoder:// [brownFalcon](#)

COURSEWORK

UNDERGRADUATE

Structured Programming Language(basic C)

Object Oriented Programming(C++ and JAVA)

Artificial Intelligence

Machine Learning

Digital Image Processing

Software Engineering

Human-Computer Interaction

Data Structure and Algorithm

Database Management System

Microprocessors, Micro-controllers and Assembly Language

Computer Architecture

Data Communication

Computer Network

Numerical Methods

Compiler

Operating System

SKILLS

PROGRAMMING

Experienced:

Python • C • C++ • Java • Arduino IDE

Intermediate:

HTML • CSS • Bootstrap

JavaScript • PHP • SQL

Familiar:

React • Proteus • MATLAB • Flex • Bison

Assembly Language

EXPERIENCE

SOFTWARE ENGINEER INTERN

IT Division, Trust Bank Limited | [Jan 2023 - Feb 2023]

TEACHING DATA STRUCTURE AND ALGORITHM

MIST Computer Club | [July 2021 - Present]

MIST MARS ROVER SOCIETY | Oct 2021 - Present

- Member of the Software and Autonomous Navigation Team.
- Participated in URC 2021, ARC 2022, and ARC 2023 with our rover

PROGRAMMING COMPETITIONS

- SUST IUPC 2023
- ICPC ASIA DHAKA REGIONAL CONTEST 2022
- BUET IUPC 2022
- Independence Day Programming Contest 2023
- Codewar 2021 (Intra-University Programming Contest)
- Online Programming Contests in CodeForces, CodeChef, AtCoder, Vjudge and some other sites

PROJECTS

NEXTGEN WHEELCHAIR Sept 2022 - present (Link)

- Designed and developed an innovative assistive wheelchair tailored for individuals with physical disabilities.
- Implemented a head movement control system for intuitive maneuvering.
- Incorporated redundant control systems, including joystick and voice control, to ensure adaptability and ease of use.

Technologies used: Image Processing, Machine Learning, JavaScript, Python

HEATMAP GENERATION FROM FEET PRESSURE

Dec 2022 - Feb 2023 (Link)

- Created a system to generate heatmaps that visualize the pressure distribution on a user's feet while walking.

Technologies used: Matplotlib library, Arduino hardware.

TRAIN UP Jan 2023 - Feb 2023 (Link)

- Developed a comprehensive management system for trainees during an internship at Trust Bank.

Technologies used: SQL, HTML, CSS, JavaScript, Bootstrap, and PHP.

MY SHOP Oct 2021 - Jan 2022 (Link)

- Worked with two of my classmates to build a fully functional management system for a Shopping Mall to manage its shops

Technologies used: Java, HTML, CSS, JavaScript

LEADERSHIP AND AWARDS

- Achieved Dean's List honors in the first, second, and third years.
- Vice President, Committee of Research and Development at MIST Computer Club (Feb 2023 - present)
- Champion in Independence Day Programming Contest 2023
- 44th in SUST Inter-University Programming Contest 2023
- 43th in ICPC ASIA DHAKA REGIONAL CONTEST 2022
- 71st in Inter-University Programming Contest BUET 2022
- Assigned as a mentor at MIST Computer Club(Feb-2022 - present)
- Assigned as a mentor in the technical team at MIST Robotics Club(Oct 2021 - Feb-2022)
- Stood as one of the Executive Directors at MIST Robotics Club