

# Golam Rabbani Rifat

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Mohakhali,Dhaka-1212,Bangladesh



## EXPERIENCE

### **BRAC University, Mohakhali — Student Tutor**

March 2022 - November 2023

#### Course Taught:

- CSE 110: Programming Language I
- CSE 111: Programming Language-II
- CSE 220: Data Structures

Assisted lab teachers on courses of the Department of Computer Science and Engineering (CSE) . Major tasks include:

- Checked assignments offline and online pdf-based submission
- Prepared notes for students to understand a particular topic.
- Provided offline and online (Discord platform) consultation hours as per University requirement

### **Eversity-Entrepreneur University, Uttara — Course Instructor**

September 2023 - December 2023

#### Course Taught:

- Python programming language for beginners
- Python programming language-Object Oriented Programming
- Basic responsive website building using HTML,CSS,JavaScript and Nodejs

#### Major tasks include:

- Took online classes for three different batches on three different topics described above.
- Checked answer scripts for pdf based online exam.

## EDUCATION

### **Bachelor of Computer Science and Engineering — BRAC University, Mohakhali**

September 2019 – November 2023

CGPA-3.87/4.00

### **HSC — Border Guard Public School & College, Rangpur**

July 2016–July 2018

GPA-4.00/5.00

### **SSC — Barajan S.C High School, Lalmonirhat**

May 2014 – May 2016

GPA – 4.89/5.00

## PROFESSIONAL SKILLS

**Programming Language :** In general Python, C,C++,JavaScript

**Back End Development :** NodeJS

**Front End Development :** HTML, CSS,Tailwind

**Database Management :** MySQL ,MongoDB

**Language :** Bangla,English

**Personal Skills:** Good communication skill,time management,creative thinking,quick learner,well organized,determined

**Problem Solving Skills:**

- Uri Online Judge : 100+
- Codeforce : 50+
- LeetCode : 23+

## AWARDS

1. **Merit Scholarship Based on BRACU Academics Result** — Awarded from 25% to 75% scholarship depending on the result achieved in the respective semester
2. **Dean and VC List** — Nominated 4 times for VC's List & 5 times for Dean's List

## PROJECTS

### I. **A Decentralized Blockchain-Based Model to Secure Confidential Medical Information**

Developed alongside research work to enhance the security confidential medical information. The implementation involved the use of JavaScript, Node.js and Solidity programming languages. While our thesis originally proposed a hybrid approach employing both consortium and private blockchain through Hyperledger Fabric, the final implementation utilized an Ethereum blockchain.

### II. **Arduino Project on “Plant monitoring system using arduino”**

Developed with Arduino, this system is capable of detecting the moisture level on plants. In the event that the detected water level is below the required threshold, the system sends a notification to the user's mobile phone, prompting them to water the plant.

### III. **An E-Commerce website using PHP**

Simple website for university courses that allowed residents of city people to easily book professionals for household services.

## Research

### I. **A Decentralized Blockchain-Based Model to Secure Confidential Medical Information**

Recognizing the critical need for secure and immutable patient data, I devised solutions that focused on data sharing among hospitals, aiming to reduce the costs associated with repetitive medical tests and the cumbersome process of carrying important documents between healthcare facilities. The research paper is still not published.

## REFERENCES

Dr. Muhammad Iqbal Hossain

Associate Professor

Department of Computer Science and Engineering

BRAC University

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