

TANJIM REZA

Computer Science Enthusiast

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Dhaka, Bangladesh

github.com/tanjimreza

tanjimreza

OBJECTIVE

An enthusiastic Computer Science graduate seeking a position in software development or IT. Passionate about automating tasks, building innovative projects, and solving complex problems. Eager to apply my skills and creativity to contribute to dynamic teams and drive organizational success.

EDUCATION

BRAC University July 2020 – June 2024
CGPA: 3.84/4.00

Bachelor of Science in Computer Science and Engineering

Govt. Lohajang College July 2017 – June 2019
GPA: 4.58/5.00

Higher Secondary School Certificate, Group: Science

Lohajang Model Pilot High School Jan 2015 – May 2017
GPA: 4.91/5.00

Secondary School Certificate, Group: Science

SKILLS

Languages:

Python, C, JavaScript, SQL, Google Apps Script, HTML, CSS, AutoIt

Technologies:

Django, Flask, Tailwindcss, Bootstrap, Vue, Linux, Git/GitHub, CI/CD, Nginx, Docker, VPS Management, Machine Learning.

Interpersonal:

Communication, Teamwork, Leadership, Time Management, Problem-Solving, Adaptability, Dependability, Patience, Active Listening.

Strengths:

Quick Learner, Eye for Detail, Organized, Creative, Analytical Thinking.

EXPERIENCE

BRAC
University

Adjunct Lecturer, CSE Department

Oct 2024 – Present

- Taught CSE220: Data Structures, CSE341: Microprocessors and CSE370: Database Systems in Lab

BRAC
University

Undergraduate Teaching Assistant (Student Tutor)

Sep 2022 – Dec 2023

- Tutored freshman Computer Science students in core programming languages courses, provided regular consultations on fundamental programming concepts including OOP.
- Evaluated student assignments and constructive feedback, assisted lab faculties in lab sessions, lab exams and helped to create student grade sheets.

RESEARCH WORK

YOLOv8,
VGG-16

Segmentation of Bangla Compound Characters: Underlying Simple Character Detection from Handwritten Compound Characters Using YOLOv8

10.1109/ICEEICT62016.2024.10534334

We created 'BanglaBorno', a handwritten dataset featuring various styles of Bangla characters. This research is the first to apply YOLOv8 to detect and segment the simple characters underlying Bangla compound characters, ensuring precise identification and separation of the characters.

PROJECTS

Django,
JavaScript,
MySQL

PrimePark

github.com/tanjimreza/PrimePark

A web application that connects car owners with parking spot owners, offering hour and day-based booking systems with integrated payment options. Additionally, it provides spot renting facilities for owners and dedicated drivers section. I managed a virtual machine and webserver to host and serve the application.

VueJS,
Tailwindcss,
Django, JWT,
Google Apps
Script

VentureBit

github.com/tanjimreza/VentureBit

A one-stop solution for VentureBit to manage services and users. Features include a custom email server, a real-time API from Google Sheets, and automated data extraction. I also updated an outdated library for seamless Django integration without Redis.

Python,
Django,
Bootstrap

National Vaccination Management System

github.com/tanjimreza/NationalVaccinationManagement

A centralized vaccination system that includes vaccine registration, hospital vaccine management, and national vaccine oversight. Additionally, it features a vaccine card generation and verification system for secure and efficient vaccination processes.

Python,
discord.py,
pycord

Mujik

github.com/tanjimreza/mujik

A music bot for Discord, using Python and Discord.py. It features basic music player functionalities, such as playing, pausing, skipping, and stopping music. Additionally, Mujik includes miscellaneous tools like server management, URL to PDF conversion, and a link bypasser.

AutoIt,
batch script

Windows++

github.com/tanjimreza/WindowsPP

A GUI tool for basic Windows functionalities. It includes activation troubleshooting features like license backup to help users manage and resolve Windows activation issues.

Arduino,
C++,
Sensors

Home Security

github.com/tanjimreza/HomeSecurity

A home security system built with Arduino. The system uses a magnetic reed switch, an LDR sensor, and a PIR sensor to detect intrusion. When the system detects an intrusion, it turns on an LED and sends a notification via Bluetooth to alert the user.

ACHIEVEMENT

Merit based Scholarship, BRAC University

2021 – 2023

Achieved merit scholarship based on undergraduate academic results at BRACU since Spring 2021.

EXTRACURRICULAR ACTIVITIES

Brac University
Computer
Club

Director of Creative Department

Fall 2022 – Fall 2023

- Managed Creative Department and Executive Board members.
- Supervised all artwork and graphics work of the Club.
- Developed BUCC Dashboard, BUCC Academy BOT, Supervised BUCC Brook Bot and maintained BUCC Website

CTFtime

Core member of Team Agrani

Jan 2024 – *

- Ranked top 3 in the country as a group on CTFtime.
- Participated in TexSAW CTF and ranked in the top 90.

Bangladesh
Scouts

Scout Leader

Jan 2012 – Dec 2023

- I served as both the Boys Scout Leader and Rover Scout Leader
- Served as a scout member since early primary school.

REFEREES

Dr. Muhammad Iqbal Hossain

Associate Professor

Department of Computer Science and Engineering

BRAC University

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