



MD Dulal HOSSAIN

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Summary

- Leverage expertise in computer science and engineering to create innovative and impactful solutions.
- Lead and contribute to projects like *Prevention of Duplicate Certificates in Bangladesh* at Nixtec System (Bangladesh/Netherlands).
- Excel in dynamic and challenging environments through strong technical and leadership skills.
- Foster continuous learning and professional growth to stay updated with evolving technologies.
- Drive organizational success by delivering efficient, reliable, and scalable solutions.

Education

Green University of Bangladesh , Purbachal American City, Kanchon 1460 *Oct 2021 – Running*

B.S in Computer Science and Engineering

- CGPA 3.56 out of 4 (4th Year Last Semester)

Moulana Saifuddin Ahiya Degree College Shahzadpur , Sirajgonj . *June 2017 – May 2019*

Higher Secondary School Certificate (HSC)

- GPA 4.17 out of 5 (Passing Years 2019

Jamirta High School Jamirta, Shahzadpur, Sirajgonj. *January 2012 – March 2017*

Secondary School Certificate (SSC)

- GPA 4.41 out of 5 (Passing Years 2017)

Experience

Intern

December 2024 - April 2025

Wizard Software & Technology Bangladesh Ltd., Dhaka, Bangladesh (On-site)

Skills: Automation, Robotic Process Automation (RPA), Microcontrollers, Embedded Systems, Data Governance

Spokesperson of GUB Transport

March 2025 & Running

Green University of Bangladesh Transport Committee.

Applied Researcher

October 2024 - Running

Nixtec Systems, Bangladesh & Netherlands (Remote)

Skills: Blockchain

Bangladesh Scouts (Member)

June 2017 – May 2019

Moulana Saifuddin Ahiya Degree College, Shahzadpur, Sirajgonj

Event Volunteer (Leader)

January 2018 & January 2019

Moulana Saifuddin Ahiya Degree College, Shahzadpur, Sirajgonj

Project of : Prevention of Duplicate Certificates in Bangladesh

November 2024 - Running

As project leader, I managed the team, coordinated tasks, ensured deadlines, and facilitated effective communication.

Nixtec System, (Bangladesh / Netherlands)

Trainee

September 2024 - April 2025

GUB EDGE Digital Skills Development Program, Dhaka, Bangladesh (On-site)

Skills: Python (Programming Language), Web Development, Software Development, Information Technology Infrastructure

Home Tutor (English Medium)

December 2021 - Running

I am a home tutor specializing in English medium education.

Oxford International School Dhaka (Student), Bata Goli, Dhaka 1205

Skills

PROGRAMMING LANGUAGES	Python Java HTML CSS PHP JavaScript Bash Assembly language C++ C
SOFTWARE DEVELOPMENT	Agile Methodology Scrum Methodology Waterfall Methodology Android Studio
FRAMEWORKS & LIBRARIES	React (Web Development) Matplotlib Numpy Pandas (Data Science & ML)
LANGUAGES	Mother Tongue: Bengali Academic: English Intermediate: Urdu & Hindi

Honors or Awards and Achievements

Research Publications

March 2025

Development of Blockchain-based Framework for Certificate Verification and Fraud Prevention Research accepted at the 12th International Conference on Informatics, Electronics & Vision (ICIEV), focusing on blockchain-based certificate verification.

Certification - Automation Anywhere (Essentials Certification)

April 2025

Completed the Essentials Certification covering the fundamentals of Robotic Process Automation (RPA) using Automation Anywhere.

Champion

January 2019

Badminton Tournament Rajshahi.

Runner up

February 2018

Badminton Tournament Shahzadpur Upazila, Sirajgonj

Honor Roll

2018

Bangladesh Scouts Sirajgonj Division

Projects

Desktop Voice Assistant (Familiar Siri, Alexa)

Developed using Python

Designed an interactive system with speech recognition and text-to-speech features. Utilizes Tkinter for GUI, performing tasks like providing time, playing music, and accessing weather updates. [Project GitHub link](#)

E-Commerce Website: SDM Dulal PC Shop

Developed using HTML, CSS, JavaScript, PHP, and MySQL

Created a robust platform with user registration, product selection, cart management, and an admin panel. Includes a unique repair service feature based on purchase history. [Project GitHub link](#)

PET Management System

Developed using HTML, CSS, JavaScript, PHP, and MySQL

A web-based system to manage pet information, appointments, and medical records, developed using PHP, MySQL, and Bootstrap for IDP2 course. [Project GitHub link](#)

Banking System (Familiar Nogod)

Developed using online technologies

Automated manual banking processes with functionalities for balance checking, fund transfer, transaction record maintenance. Enhances accessibility & accuracy in customer information retrieval. [Project GitHub link](#)

Group Chat Application (Familiar Whatsapp)

Developed in Java.

This is a Java-based client-server system that supports real-time messaging, image sharing, and emoji integration, providing intuitive interface using JavaFX for seamless communication between multiple users. [Project GitHub link](#)

School Management System(Familiar GUMS)

Using DBMS and Java

Provides modules for student addition, admin management, fee tracking, result processing, and staff administration. Centralized platform for organized school management. [Project GitHub link](#)

Application of Book Store(Familiar Retailer apps)

Developed using Assembly Language

Book store application with user-friendly interfaces for various genres. Demonstrates efficient inventory management and transaction processing in low-level programming. [Project GitHub link](#)

Library Management System Application With Interface.

Using Shell Scripting

This is a Bash-based command-line tool that allows users to efficiently add, find, edit, remove, and view book records, providing a simple yet functional solution for libraries. [Project GitHub link](#)

Bridge Construction (Padma) - Engineering Drawing Lab Project

Using AutoCad

Padma Bridge project designs a 150-meter bridge section using AutoCAD for safety & connectivity. [Project GitHub link](#)

Extra-Curricular Activities

Latex & MS Office (Expert)

Proficient in creating professional reports and documents using LaTeX.

Skilled in MS Office tools for documentation, data handling, and presentations.

Documentation or Administrative Roles

Managed documents, attendance, and reports for academic activities.

Coordinated event schedules and ensured clear communication and proper documentation.

Photography

Photography captures moments and emotions, freezing time into evocative images.

References

Professor Dr. Muhammad Aminur Rahaman

Chairperson, Department of CSE

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Relation with Applicant: Dept. Chairperson

Professor Dr. Md. Ahsan Habib (Tareq)

Professor, Department of CSE

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Relation with Applicant: Research Supervisor