



## MD DULAL HOSSAIN

House-36/A, khilkhet Bazar Road, Khilkhet, Dhaka  
1229, Bangladesh. | +8801786107700 (WhatsApp)  
dulal.md.cse@gmail.com  
[github](#) | [linkedin](#)

## Summary

An inspired final-year CSE student of Green University of Bangladesh having practical exposure to AI, ML, Blockchain and software development. Proficient with Python, Java, web technologies, and project management. It has conducted internships at Nixtec Systems and Wizard Software, and regularly participates in research and tech training. Built a few skunkwork apps and spoke at tech confs. Fewer work experiences but excellent academically, certified and students low-side, everything extra curricular. Excited to solve real-life problems with innovation and learning new things.

## Education

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

B.Sc. in Computer Science and Engineering

- CGPA 3.60 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

### **Applied Researcher** *October 2024 - Running*

Nixtec Systems, Bangladesh & Netherlands (Remote)

Skills: Blockchain, Artificial Intelligence (AI), Machine Learning (ML) & Data Science

### **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

### **Instructor (AI, ML, DM & DL)** *June 2025 – Running*

Conducting training sessions and workshops on Artificial Intelligence, Machine Learning, Data Mining, and Deep Learning.

Designing content, delivering hands-on projects, and mentoring learners to build real-world Python-based applications.

### **Intern at GUB EDGE Project** *April 2025 - May 2025*

Worked as an intern under the GUB EDGE Project, assisting in organizing digital skills training, managing participant records, and supporting administrative and technical coordination tasks.

### **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 ( Python & Django Framework )** *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

### **Spokesperson of GUB Transport (Lead)** *March 2025 & Running*

Green University of Bangladesh Transport Committee.

### **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

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

## Honors or Awards and Achievements

### Research Publications

March 2025

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

### AI+ Prompt Engineer™: Level 1

AI CERTs™ Learner Portal

Earned AI+ Prompt Engineer™: Level 1 certification from AI CERTs™ Learner Portal, demonstrating foundational skills in prompt engineering for AI model interaction and optimization.

### Prompting with Microsoft Copilot

Microsoft

Gained hands-on experience in Prompting with Microsoft Copilot, learning to generate, refine, and optimize AI-powered outputs for productivity, content creation, and task automation.

### Certification - Automation Anywhere ( Essentials Certification )

April 2025

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

### Badge Achievements – Microsoft Copilot and AI Skills

June 2025

Earned the "Prompting with Microsoft Copilot" badge and completed 11 learning modules, including content creation, prompt crafting, summarization, editing, AI for nonprofits, and productivity with Microsoft 365 Copilot.

### 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](#)

### Intelligent Review Analyser

Developed using Python

The Intelligent Review Analyzer uses SVM and BERT models to classify customer reviews as positive, negative, or neutral, achieving 79% accuracy for automated sentiment analysis. [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 Nograd)

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](#)

## 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](#)

## Additional Projects on GitHub

*Using Multiple Language*

Beyond the listed projects, I have developed 30+ additional applications and systems. Visit my GitHub to explore hands-on work in web development, data science, machine learning, blockchain, and more. [GitHub link](#)

## Extra-Curricular Activities

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### 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 (Remote)

*Nixtec System, (Bangladesh & Netherlands)*

Managed documents, attendance, and reports for academic activities.

Coordinated event schedules and ensured clear communication and proper documentation.

### Keynote Speaker

*Webinar - Cyber Existence of a Graduate's Professional Skills*

Delivered a keynote on enhancing graduates' digital presence via LinkedIn, GitHub, and freelancing at an exclusive GUB webinar. [Post link](#)

### Volunteer

*Cyber Security and Cloud Systems*

Organized Cyber Security seminar, ensuring smooth coordination and engagement.

### Volunteer

*Unlocking the Power of Data: A Beginner's Guideline to Data Analytics*

Assisted with event coordination, participant management, and technical support during the

"Unlocking the Power of Data" beginner-level data analytics webinar at GUB.

### Volunteer (Anchor)

*Unlock your AI potential with Agent X!*

Hosted the closing ceremony, coordinated sessions, and engaged the audience as Anchor for GUB's Enhancing Digital Government and Economy (EDGE) Program final event.

### Volunteer (Anchor)

*Closing Ceremony GUB EDGE Program*

Hosted the closing ceremony, coordinated sessions, and engaged the audience as Anchor for GUB's Enhancing Digital Government and Economy (EDGE) Program final event.

### Bangladesh Scouts (Member)

*June 2017 – May 2019*

Moulana Saifuddin Ahiya Degree College, Shahzadpur, Sirajgonj

### Event Organizer (Leader)

*January 2018 & January 2019*

Led the event organization at Moulana Saifuddin Ahiya Degree College, coordinating teams, managing logistics, and ensuring the successful execution of college programs and activities.

### Photography

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

## References

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### Dr. Muhammad Aminur Rahaman

Chairperson, Department of CSE, GUB

Advisor, IEEE Computer Society Student Branch Chapter GUB

Branch Counsellor, IEEE Student Branch GUB

Green University of Bangladesh (GUB)

Mobile: +8801716539541

Email: aminur@cse.green.edu.bd

Relation with Applicant: Dept. Chairperson

### Professor Dr. Md. Ahsan Habib (Tareq)

Professor, Department of CSE, GUB

Director, Center of Continuing Education, GUB

Immediate past chair, IEEE CS BDC

Green University of Bangladesh (GUB)

Mobile: +8801748-929720

Email: mahabib@cse.green.edu.bd

Relation with Applicant: Research Supervisor