

MD ABU RAYHAN IMRAN

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 [github](#)  [LinkedIn](#)  [Portfolio](#)

Summary

An inspired final-year CSE student at Green University of Bangladesh with hands-on experience in AI, ML, Odoo, and software development. Proficient in C, Python, Java, Odoo, web technologies, and project management. Built several personal projects and presented at tech conferences. While having limited formal work experience, I maintain a strong academic record and actively engage in certifications and extracurricular activities. Passionate about solving real-world problems through innovation and continuous learning.

Education

Green University of Bangladesh , Purbachal American City, Kanchon 1460 *Feb 2022 – Running*

B.Sc. in Computer Science and Engineering

- CGPA 3.13 out of 4 (4th Year Last Semester)

Kabi Nazrul Government College, Dhaka *June 2018 – May 2020*

Higher Secondary School Certificate (HSC)

- GPA 5.00 out of 5 (Passing Years 2020)

Jatrabari Ideal School and College, Dhaka *January 2015 – March 2018*

Secondary School Certificate (SSC)

- GPA 5.00 out of 5 (Passing Years 2018)

Research

IEEE Conference Paper- IEEE i-COSTE 2025 *Accepted, 20 October 2025*

Web-based Explainable Machine Learning Model for Early-Stage Heart Disease Detection

IEEE Conference Paper- WIE CONECE 2025 *Submitted*

SHAP-Based Explainable AI Model for Early Detection of Cardiovascular Disease

Thesis Title *Running*

Predictive Model for Early Detection of Cardiovascular Diseases Using Machine Learning

Experience

Machine Learning Intern at 9AM Solution *October 2025 - Running*

Built n8n automation workflows, integrated social platforms and payment gateways, and applied AI filters to remove spam and inappropriate messages.

Medical App Marketer *July 2025 - Running*

SB IT Firm, A Bangladesh & Finland Company

Skills: Digital Marketing, Medical Knowledge, Analytics Skills & Communication Skills

Website Contributor – IEEE GUB SB *July 2025 - Running*

Supported content and UX development for the official IEEE GUB website in a remote team.

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

Invigilator at NAT Test Center, Dhaka *12 July 2025*

Maintained exam integrity through monitoring and candidate verification.

Executive Manager *January 2021 - February 2021*

Paper Fly Courier Service, Jatrabari, Dhaka-1204

Skills

PROGRAMMING LANGUAGES Python | Java | HTML | CSS | PHP | JavaScript | Bash | Assembly language | C
SOFTWARE DEVELOPMENT Odoo(Entry) | Dart (Flutter)
Data Base MySQL
TECHNICAL SKILLS HTTP Protocol Knowledge | RESTful APIs | Data Handling
FRAMEWORKS & LIBRARIES Matplotlib | Numpy | Pandas (Data Science & ML) | SciKit | ML Mode | Hugging Face
LANGUAGES *Mother Tongue:* Bengali *Academic:* English

Honors or Awards and Achievements

Executive Member – IEEE Computer Society, SDC GUB

July 2025

Contributed to organizing tech events, promoting student engagement, and supporting executive operations within the IEEE CS Student Development Chapter at Green University of Bangladesh.

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.

STI Volunteer – Certificate Holder

April 2025

Assisted in STI awareness and testing event coordination and support.

Projects

Stock Price Prediction – Data Sythis Job Project

Developed using Python

Built a stock price prediction model using LSTM and ARIMA, optimized for accuracy, and deployed on Hugging Face for real-time forecasting. [Project GitHub link](#)

Python Programming Project – GUB EDGE Program

Developed using Python

Developed a project under the GUB EDGE initiative to apply core Python programming skills in a real-world context. [Project GitHub link](#)

E-MediCare – Intelligent Hospital Management System (IDP-II Project)

Developed using PHP

Developed a Python-based hospital management system with patient monitoring and predictive analytics as part of the IDP-II course at Green University, extended from an open-source GitHub project. [Project GitHub link](#)

Personal Portfolio Website – React.js Project

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](#)

Extra-Curricular Activities

Treasurer, IEEE Student Branch GUB 2025

Running

Managed branch finances, oversaw budgeting and expense tracking, and supported event planning through effective financial coordination.

General Secretary, International Activity Club GUB 2025

Running

Oversaw event operations, budgeting, and member management while building the club from the ground up to unite students and foster global collaboration.

STI-Volunteer

December 2024

Organized IT olympiad seminar and event decoration, ensuring smooth coordination and engagement.

Bangladesh Scouts (Assistant RoverMate-ARM)

June 2023– Present

People Open Rover Scout Group (PORSG)

Declaration

Professor Dr. Md. Ahsan Habib (Tareq)

Chairperson, Department of CSE, GUB
Director, Center of Continuing Education, GUB
Immediate past chair, IEEE CS BDC Green
University of Bangladesh
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Relation with Applicant: Dept. Chairperson

Abu Rayhan Imran

Md. Solaiman Mia

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Deputy Director of Student Affairs, GUB
Former Assistant Professor, Department of CSE, SMUCT
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Relation with Applicant: Thesis Supervisor