

Mostakim Jihad

Baunia Bazar, Dhaka-1230, Bangladesh

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Education

Bachelor of Science in Computer Science & Engineering

Dhaka, Bangladesh

CGPA: 3.61/4.00

Green University of Bangladesh

2020 – 2024

Higher Secondary Certificate (Science)

Dhanmondi, Dhaka, Bangladesh

GPA: 4.00/5.00

Dhaka City College

2017 – 2019

Secondary School Certificate (Science)

Banani, Dhaka, Bangladesh

GPA: 5.00/5.00

Banani Bidyaniketon School and College

2016 – 2017

Work Experience

Unisoft Systems Limited

Software Engineer

Jan 2025 – Present

Dhaka, Bangladesh

- Design and implement ERP solutions with a focus on Odoo customization, rapid module development, and external API integrations, enabling tailored business workflows and faster deployment cycles.
- Improve ERP performance and scalability by researching, integrating, and applying modern technologies and industry best practices.

Mysoftheaven (BD) LTD.

Jr. Software Engineer

May 2024 – Jan 2025

Dhaka, Bangladesh

- Deployed an MHL project management system to monitor ongoing government projects.
- Undertook Odoo custom development, tailoring, and configuration.
- Managed the Odoo partner program.

Janata Wifi

AI Engineer (Internship)

Oct 2023 – Dec 2023

Dhaka, Bangladesh

- Worked with Microsoft Azure, GitHub, and related AI tools.
- Supported AI-driven solutions and deployment tasks within the internship scope.

Publications

Journal Papers

1. **Mostakim Jihad**, Abdullah Al Fahad, Palash Roy, Md. Abdur Razzaque, Abdulhameed Alelaiwi, Md. Rafiul Hassan, and M. Mehedi Hassan, “**Quality of experience aware task execution in digital twinning vehicular edge computing: A framework and A3C algorithm**,” *Future Generation Computer Systems*, Volume 176, 2026, Article 108144, ISSN 0167-739X, (Q1, IF: 6.1), doi: [10.1016/j.future.2025.108144](https://doi.org/10.1016/j.future.2025.108144).

1. **Mostakim Jihad**, M. T. Rodshi, A. Al Fahad, P. Roy, M. A. Razzaque, and M. Mehedi Hassan, “**Quality of Experience Aware Task Offloading in Digital Twinning Vehicular Edge Computing**,” 2024 20th International Conference on Distributed Computing in Smart Systems and the Internet of Things (DCOSS-IoT), Abu Dhabi, United Arab Emirates, 2024, pp. 239–243, doi: [10.1109/DCOSS-IoT61029.2024.00043](https://doi.org/10.1109/DCOSS-IoT61029.2024.00043).

Projects

- Bangla Chatbot for LDTax, Ministry of Land | [link](#)** 2024
Mysoftheaven (BD) Ltd. *Langchain, Flask, JavaScript, Postman, MySQL*
 The Land Development Tax Management System project aims to modernize and improve the land tax system. The chatbot enables easier online user's query and user-friendly interface, while ensuring continuous support and smooth operation.
- TaskManager for Software Development | [Git-repo](#) | [Demo-video](#)** 2024
Personal Project *Django, MySQL, Bootstrap*
 A task management system that streamlines workflows, enhances collaboration, and improves task tracking for teams and clients.
- KhabarKoi | [Git-repo](#) | [Demo-video](#)** 2023
Academic Project *Java, XML, Firebase*
 Restaurant management Android app enabling users to search restaurants, order offline with tokens, and allowing owners to manage menus.
- Pathshala | [Git-repo](#)** 2022
Academic Project *HTML, CSS, JavaScript, MySQL*
 Virtual classroom where teachers can manage courses, attendance, exams, and announcements, while students can join via class codes and chat.
- VITA (Virtual Teacher Assistant) | [Git-repo](#) | [Demo-video](#)** 2022
Academic Project *Python, C++*
 Arduino-based robot with face recognition for attendance, monitoring participation, and interactive features like greetings.
- Automated File Organizer | [Git-repo](#)** 2021
Academic Project *Bash*
 Set of bash scripts for Linux to organize files, create development workspaces, and encrypt data.
- Vaccine Management System | [Git-repo](#)** 2021
Academic Project *Java, MySQL*
 Desktop application for individuals to request vaccines, check status, and for admins to manage schedules.
- Planet Fun | [Git-repo](#) | [Demo-video](#)** 2020
Academic Project *Java*
 Two-player pong-style game where the objective is to push the ball into the opponent's side.

Technical Skills

Programming Languages	Python, C/C++, Bash
Data Analysis	Pandas, NumPy, Matplotlib, Seaborn
AI/ML Frameworks	Langchain, scikit-learn, PyTorch, TensorFlow
Cloud System	Azure
Database	MySQL, PostgreSQL
Software Tools	LaTeX, Cisco Packet Tracer, Trello, Postman, Docker, PyCharm, Vim
Operating System	Linux (Arch, Debian), Windows
Key Areas	Digital Twin, Vehicular Edge Computing, Resource Scheduling Optimization, Smart Transportation

Professional Certifications

PHP with Laravel Framework

Issued Sep 2023

BASIS Institute of Technology & Management Limited (BITM)

Professional English Communication Skill

Issued Aug 2023

WSDA New Zealand

Build Your Career in Software Quality Assurance

Issued Apr 2023

IEEE Computer Society Bangladesh Chapter

Awards & Achievements

IEEEExtreme 17.0 | Team GreenT | Ranked 13th in Bangladesh

2023

Team Lead

Led Team GreenT to achieve 13th position in IEEEExtreme 17.0, demonstrating strong problem-solving and teamwork.

Vice Chancellor's Award

Summer 2022

Green University of Bangladesh

Issued by Prof. Dr. Md. Saiful Azad

Vice Chancellor's Award

Fall 2022

Green University of Bangladesh

Issued by Prof. Dr. Md. Saiful Azad

Dean Award

Fall 2023

Green University of Bangladesh

Issued by Dr. Muhammad Aminur Rahaman

Extracurricular Activities

International Conference on Sustainable Technologies for Industry 5.0 (STI)

2023

Technical Volunteer

Contributed as a volunteer in technical sessions at the STI conference, gaining valuable insights into sustainable technologies. Facilitated a seamless conference experience and supported the exchange of innovative ideas.

IEEE Computer Society Student Branch Chapter GUB

2023 – 2024

Treasurer

Organized several events to learn about emerging technologies not covered in the academic curriculum. Managed the financial budget for these events.

IEEE Computer Society Bangladesh Chapter Secretariat

2023 – Present

Event Management Team Member

Assisted in organizing and managing most events conducted by the Secretariat, contributing to smooth execution and participant engagement.

References

Dr. Md Abdur Razzaque

Professor and Chairman

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Mobile: 01841-066390

Department of Computer Science and Engineering

University of Dhaka

Palash Roy

Lecturer

Email: palash@du.ac.bd

Mobile: 01846-869580

Department of Computer Science and Engineering

University of Dhaka