Mobashera Israq

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○ GitHub 🔗 Linkedin ⓘD Orcid.org 🌐 Website

EDUCATION

United International University,   **2020 – 2024**

B.Sc. - Computer Science & Engineering   *United City, Badda, Dhaka -1212*

COURSEWORK / SKILLS

- Data Structure & Algorithm
- Operating Systems
- Accounting
- Database Management System
- Computer Networks
- Machine Learning, IoT
- Project Management
- Software Engineering
- Computer Security
- Supply Chain
- C/C++, SQL, HTML, CSS, Python, Shell Script
- Figma, MS Office, Canva, Latex, Lucid chart, Draw.io

EXPERIENCE

Academic & Research Project   **2023 – 2024**

United International University (Role: Student)   *United City, Dhaka -1212*

SmartAgroChain: Revolutionizing Agricultural Supply Chains with Blockchain Technology.

- Co-authored a paper on blockchain's role in securing and streamlining agricultural supply chains, included in IEEE's BuildSec2024 proceedings. The paper was accepted *(**pending for release**)*.

IoT-based Green Infrastructure for Hospital Ecosystem.

- Conducted research on implementing energy-saving and eco-friendly systems in hospitals using IoT. The paper is currently *(**under review**)*.

PROJECTS

Relevant Coursework   **2023 – 2024**

United International University (Role: Student)   *United City, Dhaka -1212*

Coursework focused on core areas like:
- Data Science and Machine Learning.
- Database Systems and SQL.
- Software Development and C/C++ Programming

UIU Bookshelf as like as Vending machine

- Developed a smart, app-connected bookshelf with RFID scanning and automated email notifications, enabling efficient book selection, retrieval, and return tracking for enhanced user convenience.

UIU Club Management System

- Developed an online club management platform with profile creation, event management, real-time chat, payment processing, and leadership elections, enhancing connectivity and efficiency.

UIU Event Management

- Developed a web application for booking events like weddings and parties, with features for venue selection, billing, and feedback, using HTML, CSS, JS, PHP, and MySQL for an efficient, user-friendly experience.

CERTIFICATIONS / AWARDS

- CSE Project Show Champion (Fall-2022) for the UIU Bookshelf, which was showcased as the championship project.
- Volunteer Certificate (Fall-2022) for Outstanding Performance in a workshop organized by the UIU Robotic Club.
- Five times Intra University Indoor Competition (2022-2023) by the UIU Sports Club.

EXTRA CURRICULAR

- UIU Robotic Club
- UIU Entrepreneur
- UIU Sports Club