Md Nafiz Mustafa

BSc in Computer Science & Engineering

East West University
Dhaka, Bangladesh

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Profile

Motivated Software Engineering graduate with a BSc in CSE from East West University, seeking an entry-level Software Engineer role. Strong foundation in software development and problem-solving, eager to contribute to innovative projects and grow professionally

Education

East West University — July 2021 - May 2025
BSc in Computer Science & Engineering — CGPA - 3.10

Chuadanga Government College — 2020
Higher School Certificate (Science) — GPA - 5.00

Nilmoniganj High School — 2018
Secondary School Certificate (Science) — GPA - 4.94

Skills and Interests

- **Programming Languages:** C, Java, Python, PHP
- **Databases:** MySQL, Oracle, MongoDB, PL/SQL
- **Web Technologies:** HTML, CSS, JavaScript
- **Core Computer Science:** Data Structures & Algorithms (DSA), Computer Networking (TCP/IP, HTTP/HTTPS)
- **Software Development Methodologies:** Agile (Scrum), SDLC (Software Development Life Cycle)
- **Software Quality Assurance (SQA):** Testing Tools: Selenium, JUnit
- **Version Control:** Git, GitHub
- **IDE:** Android Studio, IntelliJ IDEA, VS Code
- **Project Management:** Gantt Chart
- **Concepts:** Object-Oriented Programming (OOP)

Research Work

Accepted Paper

1. **Reliable Energy Consumption Prediction: Leveraging Deep Learning with SHAP and LIME for Transparency.**
   - The research presents an approach for energy consumption prediction using deep learning models such as LSTM and CNN, with household appliances as the dataset.
   - A key aspect of the study is the use of Explainable AI (XAI) techniques, SHAP and LIME, to address the lack of interpretability in deep learning and improve trust in the predictions.
   - The findings demonstrate that this machine learning-based approach can help in smarter energy management, cost reduction, and optimizing power distribution.
   - ***Supervised by Amit Mandal, Lecturer, East West University.***

Projects

1. **Expenditure Management System**
   - Built a Java/Android Studio Expenditure Management System to streamline expenditure tracking and record-keeping. View
2. **Certificate Management System**
   - A Java-based web application was created for certificate management. View
3. **Pacman Game**
   - A console-based Pacman game using C programming, focusing on core game mechanics. View
4. **Hostel Management System**
   - A web-based Hostel Management System was constructed utilizing JavaScript and PHP to optimize the efficient management of hostel operations. View