Md Nur Hosain Likhon

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ABOUT ME

Dedicated to innovation and driven by problem-solving, I apply my skills in programming, data science, artificial intelligence, algorithms, and software development to create solutions that are both efficient and impactful.

WORK EXPERIENCE

Zivy International – Dhaka, Bangladesh

Software Developer

[12/06/2024 – Current]

- Developed and maintained core web features using **PHP, Laravel, and JavaScript**.
- Worked with **MySQL** for data handling, query optimization, and structured database management.
- Contributed to **ERP system development and module enhancements**, and workflow automation tasks.
- Debugged system errors, optimized performance, and ensured smooth functionality across ERP modules.
- Collaborated with the administrative and development teams to implement new features based on business and user requirements.
- Wrote **clean, organized, and well-documented code**, ensuring maintainability and scalability of the system.
- Assisted in **system testing, user feedback collection, and feature refinement** to improve overall ERP usability.

EDUCATION AND TRAINING

Bachelor of Science in Computer Science and Engineering

Dhaka International University [02/01/2020 – 27/07/2024]

City: Dhaka | **Country:** Bangladesh | **Website:** https://diu.ac/ | **Field(s) of study:** Computer Science and Engineering | **Final grade:** CGPA: 3.73/4.00 | **Level in EQF:** EQF level 6 | **Number of credits:** 148

- Programming Languages: C, C++, Java, Python, Go, Flutter, PHP, Assembly, MATLAB
- Data Structures and Algorithms
- Database Management Systems (DBMS)
- Software Engineering & Software Development Life Cycle (SDLC)
- Web Development (HTML, CSS, JavaScript, Django Framework)
- Artificial Intelligence & Machine Learning
- Deep Learning & Computer Vision
- Data Science & Data Analytics
- Operating Systems & Computer Networks
- Cloud Computing & Internet of Things (IoT)
- Cybersecurity Fundamentals
- Mathematics for Computing (Discrete Mathematics, Linear Algebra, Probability & Statistics)
- Research Methodology & Technical Report Writing
- Project Management & Team Leadership

Higher Secondery Certificate (HSC)

Ideal College [04/07/2017 – 17/07/2019]

City: Dhaka | **Country:** Bangladesh | **Website:** https://idealcollegedhanmondi.edu.bd/bn/home-bn/ | **Field(s) of study:** Science | **Final grade:** GPA: 3.24/5.00 | **Level in EQF:** EQF level 4

Secondery School Certificate (SSC)

Darunnazat Siddikia Kamil Madrasah [01/01/2015 – 07/03/2017]

City: Dhaka | **Country:** Bangladesh | **Field(s) of study:** Science | **Final grade:** GPA: 5.00/5.00 | **Level in EQF:** EQF level 4

PUBLICATIONS

[2024]

SkinMultiNet: Advancements in Skin Cancer Prediction Using Deep Learning with Web Interface

Journal Name: Biomedical Materials & Devices | **Volume, Issue and Pages**: Volume 3, pages 621–637 | **Publisher**: Springer Nature

Likhon, M.N.H., Rana, S.U., Akter, S. et al. SkinMultiNet: Advancements in Skin Cancer Prediction Using Deep Learning with Web Interface. Biomedical Materials & Devices 3, 621–637 (2025). https://doi.org/10.1007/s44174-024-00205-0

[2024]

KidneyMultiNet: A Web-Based Automatic System for Kidney Disease Detection Using Hybrid Machine Learning Model From CT Scan Images

Journal Name: Biomedical Materials & Devices | **Volume, Issue and Pages**: Volume 3, pages 885–896 | **Publisher**: Springer Nature

Rana, S.U., Nur-A-Alam, M., Akter, S. et al. KidneyMultiNet: A Web-Based Automatic System for Kidney Disease Detection Using Hybrid Machine Learning Model From CT Scan Images. Biomedical Materials & Devices 3, 885–896 (2025).

PROJECTS

Web Application for Kidney Disease Detection Using Deep Learning - GitHub Link

Developed a web-based system for automated kidney disease detection from X-ray images. The application allows users to upload medical images, which are processed by a Python-based machine learning model, including image preprocessing, feature extraction, and prediction using a trained deep learning model (CNN). The model classifies images into healthy or diseased and returns the result to the Laravel interface.The system also includes an admin dashboard for managing data, settings, and performance.

Technologies: Laravel – PHP – Blade – Python Script – CNN Model – MySQL – HTML – CSS – Bootstrap

Paperless Patient Management System with Unique IDs and API Integration - GitHub Link

Built a web-based hospital management system with role-based access for hospitals, doctors, and patients. Hospital authorities can manage doctors, appointments, and patient test reports. Doctors can create prescriptions with medicines, tests, and recommendations, while patients can book appointments and access their medical history, prescriptions, and test results.

Technologies: Python – Django – Rest-API – PostgreSQL – HTML – CSS – Bootstrap

Smart Meal Management System for Shared Student Housing - GitHub Link

Implemented a web-based meal management system for shared student housing. Users can log in to add or remove meals and record daily grocery expenses. The dashboard displays dynamically calculated meal rates, total groceries, and total meals for each month, providing a clear overview of shared expenses.

Technologies: Python – Django – PostgreSQL – HTML – CSS – Bootstrap – JS

SKILLS

Technical Skills

Programming: Python, PHP, Java, JavaScript, C# / Frameworks & AI Libraries: Laravel, Django, TensorFlow, PyTorch, scikit-learn, Keras, OpenCV / Web & APIs: REST API Development, Web Development / Databases: MySQL, SQLite, PostgreSQL

Tools & Platforms

MATLAB, Jupyter Notebook, Google Colab, Git, Docker / Microsoft Office (Word, Excel, PowerPoint)

Fields

Artificial Intelligence (AI), Machine Learning, Deep Learning, Neural Networks / Data Analysis, Data Structures & Algorithms (DSA) / Software Engineering, Object-Oriented Programming (OOP) / Problem Solving, Research

LANGUAGE SKILLS

Mother tongue(s): Bengali

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user