



KHAN MOHAMMAD EMON

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SUMMARY

Hello, I am Khan Mohammad Emon. I did my graduation in Computer Science and Engineering from United International University where the thesis project in undergraduate studies included a medical image analysis using deep learning models. This really enriched my understanding of both Machine Learning and Digital Image Processing. Since then, I have developed further skills in software development and problem-solving through other academic projects. My research interests include Machine Learning, Data Mining, and Deep Learning. I am looking forward to gathering more knowledge and giving my contribution to the field of Computer Science and Engineering.

EDUCATION

Bachelor of Science in Computer Science & Engineering[BSCSE] Feb 2020 - Oct 2024

Institute: United International University, Dhaka

Result: CGPA 3.55/4.00

Thesis: Integrating X-ray image Analysis with Clinical Expertise to Create a Hybrid Approach for Classifying and Assessing the Severity of Lung Diseases

Higher Secondary Certificate June 2026 - June 2019

Institute: Uttara Model College, Dhaka

Result: GPA 4.50/5.00

Secondary School Certificate Jan 2012 - May 2017

Institute: Bhanga Model Pilot High School, Faridpur

Result: GPA 4.68/5.00

PUBLICATION

Khan Mohammad Emon, Golam Kibria, Md. Shakhan, Bushra Jannat Fahim Hafiz, Riasat Azim.

"ENRNN-AU-Net: A Hybrid Deep Learning Model to Classify and Segment Histopathology Images of Breast Cancer", **2024 International Conference on Advances in Computing,**

[\[Paper Link\]](#)

Communication, Electrical, and Smart Systems (iCACCESS).

ACADEMIC PROJECTS

• **SecureCounsel-UIUServiceHub {Computer Security Course Project}** [\[GitHub Link\]](#)

Tools used: Bootstrap, HTML, CSS, PHP, Mysql, Java Script.

This project is fortified with enhanced security features, including real-time alerts for suspicious activity, intrusion detection, and DoS attack prevention. It also integrates multi-factor authentication, SQL injection protection, and data masking, ensuring robust data security and access control.

• **UIUServiceHub {Software Architecture Laboratory Project}** [\[GitHub Link\]](#)

Tools used: Bootstrap, HTML, CSS, PHP, Mysql, Java Script.

The UIU ServiceHub project aims to consolidate various university services, including Hostel Service, Shuttle Service Registration, Student Loans, Club Forum Discussion, and Posts, into a single, efficient platform for UIU students.

• **CV-HUB {Web Programming Course Project}** [\[GitHub Link\]](#)

Tools used: Bootstrap, HTML, CSS, PHP, Mysql.

Users can dynamically generate a CV, save it, and easily update or modify their information for quick adjustments anytime.

- **UIU NewsBOX {Database Management System Laboratory Project}** [\[GitHub Link\]](#)

Tools used: Bootstrap, HTML, CSS, PHP, Mysql.

This is a blog-style website where users can create, share, and update their content dynamically.

- **ADDA {Advanced Object Oriented Programming Laboratory Project}** [\[GitHub Link\]](#)

Tools used: My SQL DataBase, Socket Networking, Java FX frameWork

Feature: 1.Login.(username and password) 2. Create a new account. 3. Reset the password. 4.

Logout button or text Bye. 5. Add a new profile picture from the desktop. 6. Delete the account permanently. (need PassWord)

WORK EXPRIENCE

Greader

Nov 2022 - Jan2024

United International University, Dhaka

CSE 3521: Database Management Systems -Fall 22

IPE 3401: Industrial and Operational Management -Fall23

MATH 1151: Fundamental Calculus - Fall23

Joint General Secretary

Aug 2022 - Mar 2023

UIU App Forum, Dhaka

ACHIEVEMENTS

- **International Collegiate Programming Contest (ICPC):**
Participant, Team Songshoptok, 2022 ICPC Asia Dhaka Preliminary Contest, February 10th-11th,2023.
- **Academic Scholarships: 50% (1 times), 25% (2 times) tuition-fee discount at UIU.**

SKILLS

Programming Languages: JavaScript, PHP, Python, Java, C/C++, HTML, CSS, Bash Script.

Databases: MySQL.

Deep Learning Frameworks: Keras, PyTorch

Concepts: Object Oriented Programming, Data Structures, Algorithms, DBMS, Web Development.

Others: Xampp, Git & Github, LaTeX, Jira, etc.

Design Tools: Proteus circuit simulator, Logisim circuit simulator, and CISCO packet tracer

Hardware Tools: Atmega32 Microcontroller

REFERENCES

Dr. Mohammad Nurul Huda

Professor & Head of Dept.

Dept. of CSE

United International University

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Dr. Riasat Azim

Assistant Professor

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