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 2017 - 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, Communication, Electrical, and Smart Systems (iCACCESS)**   **[Paper Link]**

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   **Dr. Riasat Azim**
Professor & Head of Dept.   Assistant Professor
Dept. of CSE   Dept. of CSE
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