Mostafiz Ahammed

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RESEARCH INTERESTS

Machine Learning, Artificial Intelligence & Neural Network, IoT in Healthcare

EXPERIENCE

Lecturer   September 2025 – Present
Department of Internet of Things and Robotics Engineering
University of Frontier Technology, Bangladesh   Gazipur, Bangladesh

Lecturer   November 2023 – September 2025
Department of Computer Science and Engineering
Chandpur Science and Technology University   Chandpur, Bangladesh

Lecturer   January 2022 – October 2024
Department of Computer Science and Engineering
Notre Dame University Bangladesh   Dhaka, Bangladesh

EDUCATION

Master of Science in Computer Science and Engineering   Dhaka, Bangladesh
Jahangirnagar University
Passing Year: March 2022
CGPA: 3.95 (out of scale 4.00)

Bachelor of Science in Computer Science and Engineering   Dhaka, Bangladesh
Jahangirnagar University
Passing Year: October 2019
CGPA: 3.76 (out of scale 4.00)

JOURNAL

Mostafiz Ahammed, Md. Al Mamun, Mohammad Shorif Uddin, "*A machine learning approach for skin disease detection and classification using image segmentation*," Healthcare Analytics, Volume 2, 2022, 100122, ISSN 2772-4425, doi: https://doi.org/10.1016/j.health.2022.100122.

Imran Mahmud, Faima Akter, & **Mostafiz Ahammed**. (2024). Value Relevance of Key Accounting Information in Predicting Market Performance: A Machine Learning Approach. Journal of Financial Markets and Governance, 3(1), 15-35, 20 September, 2024. https://doi.org/10.54728/JFMG.202310.00072.

CONFERENCE

Mostafiz Ahammed, Rubel Sheikh, Farah Hossain, Shahrima Mustak Liza, Muhammad Arifur Rahman, Mufti Mahmud and David J. Brown, "*Speech Emotion Recognition: An Empirical Analysis of Machine Learning Algorithms Across Diverse Data Sets*," Applied Intelligence and Informatics. AII 2023. Communications in Computer and Information Science, vol 2065. Springer, Cham. doi: https://doi.org/10.1007/978-3-031-68639-9_3.

RESEARCH WORKS

Machine Learning-Based Skin Disease Detection and Classification Using Segmented Images
(Supervisor: Prof. Dr. Mohammad Shorif Uddin, CSE, JU)

Developed a model using Grab cut segmentation and GLCM features to classify different types of skin diseases. The classification algorithm performed with an accuracy of 95.68%.

Machine Learning Approaches Towards Speech Emotion Recognition
(Supervisor: Prof. Dr. Muhammad Arifur Rahman, Physics, JU)

Designed a model that classified the type of emotional states with an average accuracy of 99%.

Lessening Coronavirus (COVID-19) Impact using AI Technology: Face Mask Detection
(Supervisor: Prof. Dr. Mohammad Shorif Uddin, CSE, JU)

Designed a model using CNN and MobileNetV2 to lessen the effect of COVID-19 that detect the face whether it is covered with mask or not. The model is trained on MaskedFace-Net dataset and achieved an average accuracy of 99.29% for training and 98.57% for validation.

ACTIVITIES AND HONORS

National Science and Technology (NST) Fellowship 2020-2021   Ministry of Science and Technology
Received fellowship on the basis of Master's thesis   March 2021

National Seminar on Mobile Application Development organized by ICT Division
Jahangirnagar University   September 2017

TECHNICAL SKILLS

- Programming Languages: C, C++, Java, Python, Matlab
- Database: MySQL
- Scripting Languages: HTML5, CSS
- Tools/IDE: MATLAB, Eclipse, Netbeans and PyCharm

REFERENCES

Dr. Mohammad Shorif Uddin
Professor
Dept. of CSE, Jahangirnagar University, Savar, Dhaka-1342.
Email: **shorifuddin@juniv.edu**
Mobile: +880 1747 615832

Dr. Md. Ezharul Islam
Professor
Dept. of CSE, Jahangirnagar University, Savar, Dhaka-1342.
Email: **ezharul.islam@juniv.edu**
Mobile: +880 1816 203074

I, the undersigned, certify that to the best of my knowledge and belief, these curriculum vitae correctly describe me, my qualifications and experiences.

Signature

Mostafiz Ahammed

Date: 30.12.2025

(Mostafiz Ahammed)