Md. Ferdous

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⌂ House 390, Barak Vandari Road, Azampur, Uttara, Dhaka

Career Objective

To build a career as a promising researcher, academician and work for the amelioration of future world.

Employment History

Jan. 2022 –... 🔖 **Lecturer.** Dept. of Computer Science and Engineering, Uttara University, Uttara, Dhaka.

Education

2020 –... 🔖 **M. Sc. (Eng.) Computer Science and Engineering, Khulna University of Science & Engineering (KUET)**, Khulna-9203.
Thesis title: *A Deep Learning-based Architecture for Hard Hat and Surgical Waste Recognition*
CGPA: 3.83 out of 4

2014 – 2018 🔖 **B. Sc. (Eng.) Computer Science and Engineering, Bangabandhu Sheikh Mujibur Rahman Science & Technology University**, Gopalganj-8000.
CGPA: 3.79 out of 4

2011 – 2013 🔖 **H.S.C Science, Shahid Smrity Collage**, Nesarabad, Pirojpur.
GPA: 5 out of 5

2009 – 2011 🔖 **S.S.C Science, Baldia Secondary School**, Nesarabad, Pirojpur.
GPA: 5 out of 5

Research Publications

Journal Articles

1 **Ferdous, Md**, & Ahsan, S. M. M. (2022a). Ppe detector: A yolo-based architecture to detect personal protective equipment (ppe) for construction sites. *PeerJ Computer Science*, *8*, e999.
🔗doi:https://doi.org/10.7717/peerj-cs.999

2 **Ferdous, Md**, & Ahsan, S. M. M. (2022b). A computer vision-based system for surgical waste detection. *International Journal of Advanced Computer Science and Applications*, *13*(3).
🔗doi:https://doi.org/10.14569/IJACSA.2022.0130366

Conference Proceedings

1 **Ferdous, Md**, & Ahsan, S. M. M. (2021). Multi-scale safety hardhat wearing detection using deep learning: A top-down and bottom-up module. In *2021 international conference on electrical, communication, and computer engineering (icecce), kuala lumpur, malaysia* (pp. 1–6). IEEE.
🔗doi:https://doi.org/10.1109/ICECCE52056.2021.9514144

2 Peya, Z. J., **Ferdous, Md**, Akhand, M. A. H., Zilani, M. G., & Siddique, N. (2021). Asd detection using higuchi's fractal dimension from eeg. In *2021 ieee international conference on biomedical engineering, computer and information technology for health (becithcon), dhaka, bangladesh* (pp. 1–4). IEEE.

Datasets Contribution

2022   🔖 **Ferdous, Md.**; Ahsan, Sk. Md. Masudul (2022): Surgical Waste Detection Dataset. figshare. Dataset. `https://doi.org/10.6084/m9.figshare.19575676.v3`

🔖 **Ferdous, Md.**; Ahsan, Sk. Md. Masudul (2022): CHVG Dataset. figshare. Dataset. `https://doi.org/10.6084/m9.figshare.19625166.v1`

Projects

2020   🔖 A deep neural network for detection and diagnosis of COVID-19 from chest x-ray images.
Tools: Python
🔗 `https://github.com/Md-Ferdous/Covid-19-detection`

🔖 Protein Secondary Structure Prediction using Convolutional Neural Network.
Tools: Python 🔗 `https://github.com/Md-Ferdous/protein-secondary-structure`

Skills

Languages   🔖 Native or bilingual proficiency in Bangla and professional proficiency in English.

Coding   🔖 C, C++, Java, Python, R, MATLAB, LaTeX, …

Web Dev   🔖 Html, css, JavaScript, Apache Web Server.

Misc.   🔖 Academic research, teaching, training, LaTeX typesetting and publishing, OriginLab, Weka.

Miscellaneous Experience

Awards and Achievements

2018   🔖 **Chairman's Award**, which is given to promising students in Dept. of CSE, Bangabandhu Sheikh Mujibur Rahman Science & Technology University.

Certification

🔖 **Certified ICT division**. Skill Development for Mobile Game & Application Project from Ministry of ICT IOS trainer for mobile application development, 200 hours long course

References

Prof Dr. Md. Sk. Masudul Ahsan
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Signature
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