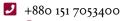
Zabir Mohammad

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My Research

in Linkedin



GitHub





Academic Experience

Research Assistant, Dept. of Computer Science and Engineering, Bangladesh University of Business & Technology, Dhaka, Bangladesh.

2022 – 2023 Adjunct Co-Investigator, Dept. of Information Technology, King Abdul Aziz University, & Jeddah, Saudi Arabia.

2021 – Present Researcher, Advanced Machine Intelligence Research Lab, Dhaka, Bangladesh.

Education

Bachelor of Science in Computer Science and Engineering, Bangladesh University of Business & Technology, Bangladesh.

Final Grade: 3.8/4.00

Thesis: An Offline Writer-independent Signature Verification System using AutoEmbedder.

2014 – 2016 Higher Secondary School Certificate, Tejgoan Collage, Dhaka, Bangladesh.

Grade: 4.75/5.00

Secondary School Certificate, Government Science School, Dhaka, Bangladesh. Grade: 5.00/5.00

Research Publications

Journal Articles

- **Mohammad**, **Z.**, Anwary, A. R., Mridha, M. F., Shovon, M. S. H., & Vassallo, M. (2023). An enhanced ensemble deep neural network approach for elderly fall detection system based on wearable sensors. *Sensors*, *23*(10), 4774.
- Mridha, M., **Mohammad**, **Z.**, Kabir, M. M., Lima, A. A., Das, S. C., Islam, M. R., & Watanobe, Y. (2023). An unsupervised writer identification based on generating clusterable embeddings. *Computer Systems Science & Engineering*, 46(2).
- Mohammad, Z., Kabir, M. M., Monowar, M. M., Hamid, M. A., & Mridha, M. F. (2022). Self-writer: Clusterable embedding based self-supervised writer recognition from unlabeled data. *Mathematics*, 10(24), 4796.

Conference Proceedings

Mohammad, **Z.**, Jahan, I., Kabir, M. M., Ali, M. A., & Mridha, M. (2021). An offline writer-independent signature verification system using autoembedder. In 2021 24th international conference on computer and information technology (iccit) (pp. 1–6). IEEE.

Research Interest

Deep learning, Computer Vision, Self-Supervised learning, Reinforcement Learning, Activity Recognition, Generative Adversarial Network, Data Structure, Algorithm,...

Skills

AI Tools Keras, TensorFlow, Pandas, NumPy, Matplotlib, Pytourch, Albumentation,

• • •

Programming Language Python, Java, C, C++, Git, ...

Databases Mysql, sqlite, Oracle, ...

Web Dev | HтмL, css, JavaScript, ...

Misc. Academic research, teaching, training, Large X, ...

Miscellaneous Experience

Awards and Achievements

Research Publication Award 2022, King Abdul Aziz University.

Annual Research Publication Award 2021, Advanced Machine Learning Lab.

Intra-University Programming Contest: One time Champion and ₃ time Runner up.

■ Inter-University Programming Contest: Attended 3 times and conquered highest in top 30.

Problem Solver: Solved around 500 problems in various online judges.

Projects

Android Application for Weather. AI-based android project for Predicting weather developed using Java, Python, and TensorFlowLite.

Adaptive Writer recognition. Deep learning based Writer identification using adaptive loss developed with Python, Tensorflow.

Character recognition Bangla handwritten characters recognition with tensorflow

Dynamic Web Browser. A web browser developed using C-sharp. .

References

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