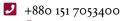
Zabir Mohammad

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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.

Skills

Interests Deep learning, Computer Vision, Self-Supervised learning, Reinforcement Learning, SGenerative Adversarial Network, Data Structure, Algorithm,...

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

• • •

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

Databases Mysql, sqlite, Oracle, ...

Web Dev | НтмL, css, JavaScript, ...

Misc. Academic research, teaching, training, LaTeX, ...

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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