Zabir Mohammad

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R⁶ My Research   in Linkedin   🎧 GitHub   🏅 Stopstalk

Academic Experience

2021 – 2022	🔖 **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

2017 – 2021	🔖 **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

1. **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.

2. 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).

3. **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

1. **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	▮	Html, 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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