Md. Sakib Bin Alam

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Research Interests

I have a broader interests in artificial intelligence. My current research focuses on machine learning, data science, human computer interaction and healthcare informatics.

Education

M.S. in Data Science and AI	Thailand
Asian Institute of Technology	January 2022-December 2023
GPA: 3.83/4.0 (one semester completed)	
B.Sc. in Computer Science and Engineering	Bangladesh
International Islamic University Chittagong	July 2017
GPA: 3.953/4.0	

Work Experience

Lecturer   September 2018 - December 2021

Asian University for Women (AUW), Bangladesh

○ Prepared and delivered lectures, and conducted lab classes. Prepared quizzes, problem sets, question papers, and graded answer scripts.

Adjunct Lecturer   October 2017 - March 2018

International Islamic University Chittagong, Bangladesh

○ I conducted five courses where in two courses I had to deliver the lecture in theory classes and in other three courses I was responsible for the lab classes.

Publications

Peer-reviewed Journal Articles and Conference Proceedings

1. Muhammed J.A. Patwary, Subrina Akter, **Md. Sakib Bin Alam**, A.N.M. Rezaul Karim. *"Bank Deposit Prediction Using Ensemble Learning"*. Artificial Intelligence Evolution. 2021. DOI: https://doi.org/10.37256/aie.222021880

2. **Md. Sakib Bin Alam**, Muhammed J.A. Patwary, Maruf Hassan. *"Birth Mode Prediction Using Bagging Ensemble Classifier: A Case Study of Bangladesh"*. International Conference on Information and Communication Technology for Sustainable Development (ICICT4SD). IEEE. 2021. DOI: 10.1109/ICICT4SD50815.2021.9396909

3. Maruf Hassan, **Md. Sakib Bin Alam**, Tanveer Ahsan. *"Emotion Detection from Text Using Skip-thought Vectors"*. 2nd International Conference on Innovations in Science, Engineering and Technology (ICISET). DOI: 10.1109/ICISET.2018.8745615. IEEE. 2018 **[Best Paper Award]**

Manuscripts under review & in progress

1. Shams F. Ahmed, Md. Sakib Bin Alam, et.al. *"Deep learning modelling techniques: Current progress, applications, advantages, and challenges"*. Artificial Intelligence Review. (**IF: 8.139) [Under revision**]

2. Md. Sakib Bin Alam, et.al. *"Carry-over effects in interaction fidelity: Impact of High-to-low vs low-to-high usage"*. Journal of Healthcare Engineering. **(IF: 3.822) [Submitted]**

Honors and Awards

- Prestigious **Royal Thai Govt. Scholarship** for my Master's degree at AIT — 2022-2023

- Awarded **100% tuition fee scholarship** in the Master's in Data Science program, Tampere University, Finland (I declined) — 2021

- **University Merit Scholarship for Excellent Academic Performance**. International Islamic University Chittagong (IIUC) — 2013 – 2016

- **Best Paper Award**. 2nd IEEE ICISET — 2018
  Won the best paper award on Data Science track

Technical Skills

- **Languages**: Python, MATLAB, Java, C/C++, SQL, HTML, CSS
- **ML Tools**: pandas, numpy, matplotlib, sklearn, tensorflow, keras
- **Other Tools**: Git, Github, Jupyter Notebook, Mendeley

Relevant Projects

Fake News Prediction Using Logistic Regression

- Built a predictive model for fake news detection by applying Logistic Regression algorithm.
- Dataset was collected from Kaggle and contained 20,000 data.

Customer Segmentation using K-Means Clustering

- Achieved customer segmentation by analyzing a shopping mall dataset to understand the target customers so that the knowledge can be given to the marketing team and plan the strategy accordingly.
- Applied K-Means Clustering method.

Stock Management

- Built a web application by which users can manage portfolios of stocks. This allows users to check real stocks' actual prices, and via this app, they can buy and sell stocks.
- Python, CSS, and HTML were used to develop the application.

Course Instructed (undergraduate level)

- Computer Programming Languages
- Computer Architecture
- Computer Algorithms
- CS50 (online course)

Leadership Experience

Mentor — June 2021 – December 2021
AUW Artificial Intelligence Society

- I arranged regular weekly workshops/training sessions with two other mentors, guided students about AI tools, discussed several projects, and created assignments to evaluate them.

Student Advisor — August 2019 – December 2021
Asian University for Women.

- Besides teaching at AUW, I worked as a Student Advisor. As an advisor, I regularly monitored students' performance and helped them to develop individual study plans.

References

Available upon request.