

Md. Sakib Bin Alam

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Research Interests

Machine Learning, Deep Learning, Natural Language Processing, Health Informatics, Social Media Analysis.

Education

International Islamic University Chittagong

B.Sc., Computer Science and Engineering

GPA: 3.953/4.0

Bangladesh

July 2017

Work Experience

Instructor

Asian University for Women (AUW), Bangladesh

○ Prepare and deliver lectures, and conduct lab classes. Prepare quizzes, problem sets, question papers, and grade answer scripts.

August 2021 - Present

Junior Instructor

Asian University for Women

○ Prepare and deliver lectures, and conduct lab classes. Prepare quizzes, problem sets, question papers, and grade answer scripts.

September 2018 - July 2021

Adjunct Lecturer

International Islamic University Chittagong, Bangladesh

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

October 2017 - March 2018

Publications

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 **[Accepted]**

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 (ICISSET). DOI: 10.1109/ICISSET.2018.8745615. IEEE. 2018 **[Best Paper Award]**

○ Deep learning models: applications, advances and challenges **[In process]**

Poster Presentation

1. **Md. Sakib Bin Alam**, Muhammed J.A. Patwary. *“Prediction of Childbirth Mode with Suitable Features: A Case Study of Bangladesh”*. 2nd International Conference on Sustainable Technologies for Industry 4.0 (STI). IEEE. 2020.

On-going Research Projects

Applications, advances, and challenges of Deep Learning models in Health Informatics (April 2021 - Present)

Supervisor: Shams Forruque Ahmed, Ph.D. Associate Professor, Asian University for Women

- A review paper on deep learning models, their applications, and limitations has been written using 100 plus research papers.
- Working to develop a novel approach for birth mode (cesarean/normal) prediction using deep learning techniques.

Honors and Awards

- **University Merit Scholarship for Excellent Academic Performance.** 2013 – 2016
International Islamic University Chittagong (IIUC)
- **Best Paper Award.** 2nd IEEE ICISSET 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 Algorithms
- Computer Architecture
- CS50 (online course)

Leadership Experience

Student Advisor

Asian University for Women.

August 2019 - present

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

References

Available upon request