# Md. Sakib Bin Alam

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## Research Interests

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

## Education

**International Islamic University Chittagong** Bangladesh
B.Sc, Computer Science and Engineering July 2017
GPA: 3.953/4.0

## Work Experience

**Lecturer** August 2021 - Present
Asian University for Women (AUW), Bangladesh
- Prepare and deliver lectures, and conduct lab classes. Prepare quizzes, problem sets, question papers, and grade answer scripts.

**Junior Lecturer** September 2018 - July 2021
Asian University for Women
- Prepare and deliver lectures, and conduct lab classes. Prepare quizzes, problem sets, question papers, and grade 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

### 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]**

- 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.

## Honors and Awards

- **University Merit Scholarship for Excellent Academic Performance**. 2013 – 2016
  International Islamic University Chittagong (IIUC)
- **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 - Present
AUW Artificial Intelligence Society

- I arrange regular weekly workshops/training sessions with two other mentors, guide students about AI tools, discuss several projects, and create assignments to evaluate them.

**Student Advisor** August 2019 - Present
Asian University for Women.

- 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.