Md. Sakib Bin Alam

CONTACT INFORMATION

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EDUCATION

BSc, Computer Science and Engineering   May 2017
International Islamic University Chittagong. Bangladesh
GPA: 3.953/4.0
Merit Position: 2nd/54

WORK EXPERIENCE

Junior Instructor   July 2019 - Present
Asian University for Women. Bangladesh
- Prepare and deliver lectures, and conduct lab classes.
- Prepare quizzes, problem sets, question papers, and grade answer scripts.

Junior Fellow   September 2018 - June 2019
Asian University for Women -
Conducted Lab classes.
- Prepared quizzes, problem sets, and graded answer scripts.

Adjunct Lecturer   October 2017 - March 2018
International Islamic University Chittagong. Bangladesh
- Prepared and delivered lectures and conducted lab classes.
- Prepared quizzes, problem sets, question papers, and graded answer scripts.

Volunteer Experience   March 2015 – March 2016
Social Welfare Secretary
Computer Club, International Islamic University Chittagong -
Led the club in various social works.
- Arranged fundraising programs.

HONORS AND AWARDS

-**University Merit Scholarship for Excellent Academic Performance**. International
Islamic University Chittagong.   (Autumn 2013 – Autumn 2016)
-**Best Paper Award**. 2nd IEEE ICISET   2018
-**Honorary Position, Undergraduate Mathematics Olympiad.** Chittagong Division
2015
-**3rd Place**, National Mobile Application Trainer and Innovative Application
Development Program. Chittagong Division   2015

PUBLICATIONS (Peer-reviewed)

1. **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. 2020. [**Accepted**]

2. 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**]

Work in progress
Now, I am working on two research projects. Domain: AI in Health Informatics.

POSTER PRESENTATION (Peer-reviewed)	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.

PROJECTS

1) Finance: It's a web application by which users can manage portfolios of stocks. This will allow 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 this application.

2) Sentiment Analysis: This project classifies a set of tweets into two categories: racist and non-racist. Here I implemented several feature extraction techniques and machine learning algorithms to build models. The performances of different methods were analyzed and compared. Python was used to build the project.

3. **Crime Spot Mapper** (Group project): It's a Google Map-based Android Application. Through this app, people can mark crime spots in a city. The nearest police stations can be found in the application. Police can detect those marked spots and take proper actions.

COURSE INSTRUCTED

- Computer Programming Languages   - Computer Algorithms
-Computer Architecture   - CS50 (Online Course)

TECHNICAL SKILLS

Languages: Python, MATLAB, Java, C/C++, SQL, HTML, CSS
Tools: Git, MS Office
Operating Systems: Windows

LEADERSHIP SKILLS

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

-I am working as a Mentor at the AUW AI Club. Here I guide students about AI tools, make problem sets to evaluate them, and arrange workshops.

-I was an active member of the IIUC Computer Club. I served as Social Welfare Secretary, Assistant Social Welfare Secretary, and Assistant Programming Contest Secretary.
-I worked as a Class Representative for eight consecutive semesters during my undergraduate study.

TRAINING AND CERTIFICATIONS

-**Exploratory Data Analysis with MATLAB** by MathWorks on Coursera.

-**Introduction to Data Science in Python** by University of Michigan on Coursera.

-**Python for Everybody Specialization** (Sequence of 5 courses and project) by University of Michigan on Coursera.
-**Machine Learning** by Stanford University on Coursera.

-**National Mobile Application Trainer and Innovative Application Development Program** Completion Certificate Organized by ICT Division of Bangladesh Government.

REFEREES

-**Muhammed Jamshed Alam Patwary**, **Ph.D.**, Assistant Professor, International Islamic University Chittagong, Bangladesh. Email: mjap@iiuc.ac.bd
-**Zulfikar Alom**, **Ph.D.**, Assistant Professor, Asian University for Women, Bangladesh Email: zulfikar.alom@auw.edu.bd