

ABDULLAH AL MAMUN SARDAR

Zakir Hossain Road, Lalmatia, Mohammadpur ▪ Dhaka, Bangladesh

+880 1883894292 ▪ mamun35-1930@diu.edu.bd

LinkedIn profile: Abdullah Al Mamun Sardar

CAREER OBJECTIVES

To work in the field of Machine Learning and Artificial Intelligence. Generate creative ideas and contribute on algorithm development.

EDUCATION

Daffodil International University (Dhaka, Bangladesh)

January 2017 – December 2020 [Final Result Published: 7th March, 2021]

Bachelor of Science in Software Engineering

- Relevant Course: Artificial Intelligence (grade: 4 out of 4)
- Thesis Title: ‘A Machine Learning Approach to Detect Fake News in Bangla Language’ (grade: 4 out of 4)
- Overall CGPA: 3.50 out of 4.00

PUBLICATIONS

1. **Title:** A Review on Automatic Speech Emotion Recognition with an experiment using Multilayer Perceptron classifier.

Conference: 3rd International Conference on Computing and Communication (IC3-2020)

2. **Title:** Team Sigmoid at CheckThat!2021 Task 3a: Multiclass fake news detection with Machine Learning.

Conference: CLEF 2021 Conference and Labs of the Evaluation Forum

3. **Title:** A Machine Learning Approach to Detect Fake News in Bangla Language. [Yet to be published]

Conference: 10th International Conference SMART – 2021

MACHINE LEARNING PROJECTS

2. Building a Dataset for Bangla Chatbot: This project is under development. Here I am developing a Chatbot system based on Bangla language using Natural Language Processing techniques. The dataset has been developed by me, it contains 3700 lines of Bangla sentence from both sender and receiver sides.

2. Building a Dataset for Bangla Image Captioning: This project is under development. Here I am developing a large dataset of images along with suitable caption divided into two sections: Sentence Caption and Word Caption.

3. Disaster Tweet Analysis with NLP techniques: Here I have analyzed a disaster tweet dataset collected from Kaggle. By applying NLP techniques, I have tried to classify which tweets are about real disaster and which one's aren't.

DATA CAMP MACHINE LEARNING PROJECTS:

1. Extract Stock Sentiment from News Headlines: Scraped news headlines for FB and TSLA then apply sentiment analysis to generate investment insight.

2. Classify Song Genres from Audio Data: Applied machine learning methods in Python to classify songs into genres.

3. Generating Keywords for Google Ads: Automatically generated keywords for a search engine marketing campaign using Python.

4. Word Frequency in Classic Novels: Used web scraping and NLP to find the most frequent words in one of two pieces of classic literature: Herman Melville's novel, Moby Dick, or Peter Pan by J. M. Barrie.

EXPERIENCE

Team Leader, CLEF 2021 CheckThat! Call for Papers

CLEF 2021 is the 12th CLEF conference continuing the popular CLEF campaigns which have run since 2000 contributing to the systematic evaluation of information access systems, primarily through experimentation on shared tasks.

SKILLS

- Strong understanding of predictive modeling and machine learning algorithms.
- Good understanding data mining, cleaning and modeling.
- Good at data visualization.
- An in-depth understanding of Deep Learning using Neural Networks.
- Good at NLTK and other Python Machine Learning libraries.
- Skilled in developing web application in Django and Flask.
- Has well understanding of Research Methodology.
- Expert in Natural Language Processing.
- Skilled in ML model deployment with Flask.

CERTIFICATIONS

DataCamp:

- Advanced Deep Learning with Keras
- Bayesian Data Analysis in Python
- Extreme Gradient Boosting with XGBoost
- Machine Learning with Tree-Based Models in Python
- Machine Translation in Python
- Building Chatbots in Python
- Machine Learning for Time Series Data in Python
- Image Processing with Keras

Others:

- ❖ The Fundamentals of Digital Marketing (from Google Digital Garage)
- ❖ Email Writing and Etiquette: Business Communication at Work (from Udemy)

SOFTWARE PROJECTS

Employee Management System

In this system a company/organization will be able to keep records of their employee info.

Language: C++.

Cricket Score Management

This is my personal project which has been developed to manage cricket score. Project was developed in C++.

Edulead

This is a blog system project. Here students can post the problem they are facing and others can help them by replying. This project has been developed in Django framework.

Fake News Detection System

This project is under development. Here I user will put a Bangla news headline and news content to check whether the news claim is fake or real. Flask is being used as web framework.

EXTRACURRICULAR ACTIVITIES

Delegate, Youth Leadership Summit 2018

September 27-29, 2018

- Learned Team work, Critical thinking, Effective Communication and Professional Networking.

Campus Ambassador at Bangladesh Youth Leadership Center March – December, 2019

- Learned Public Speaking, Promotional Strategy and Marketing Basics.

LEADERSHIP TRAINING

Bangladesh Youth Leadership Center (Dhaka, Bangladesh) September – December, 2018

Building Bridges through Leadership Training (BBLT)

BBLT is a two and a half months' intensive leadership training program taught via a curriculum conceptualized at Harvard University.

- One of the forty-two participants selected through a rigorous application process with an acceptance rate of **only 15%**.
- Workshop focused on developing essential aspects of leadership such as **critical thinking, analytical, problem solving, public speaking and communication skills**.

REFERENCES

Md. Sanzidul Islam

Lecturer, Daffodil International University,
Bangladesh

Cell: +8801864007005

Email: sanzid.cse@diu.edu.bd

Md. Arid Hasan

Lecturer, Daffodil International University,
Bangladesh

Cell: +8801521472918

Email: arid.cse0325.c@diu.edu.bd