

# SYED MAHBUBUZ ZAMAN

Dhaka, Bangladesh

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## Education

### Milestone College

Secondary School Certificate

2006 – 2013

GPA 5.00/5.00

### Notre Dame College

Higher Secondary Certificate

2014 – 2015

GPA 5.00/5.00

### BRAC University

Bachelor of Science in Computer Science and Engineering

Sep. 2016 – Jun. 2021

CGPA 3.49/4.00

## Research Interest

- Deep Neural Networks
- Machine Learning
- Computer Vision
- Artificial Intelligence

## Skills

**Programming Languages:** Python, Java, C#, JavaScript, MySQL

**Frameworks/Libraries:** ASP.NET Core, React, TensorFlow, pyTorch, Keras, Pandas, scikit-learn

## Projects

### Final Year Thesis Defence | *Python, Tensorflow, keras, numpy*

January 2021

- “Dynamic spam detection system and most relevant features identification using random weight network” (link [🔗](#))
- We designed a Neural Network for tackling the problem of spam classification using the enron dataset
- This was implemented by using Recurrent Neural Network models (LSTM, Bi-LSTM & GRU)

### Project for IEEE ICEPE 2019 | *Arduino*

March 2019

- **Smart Streetlight:** The proposed system is a cost effective method which uses IR sensor to detect motion of a passing car or person
- It helps to get rid problems of manual switching. The motion controlled LED consumes less energy and has a better lifespan than high energy consuming lamps. This project won **the first prize** in project showcase competition.

## Publications

### Asia-Pacific Conference on Computer Science and Data Engineering

CSDE 2021

Brisbane, Australia

8-10 December

- S. M. Zaman, M. M. Hasan, R. I. Sakline, D. Das and M. A. Alam, "A Comparative Analysis of Optimizers in Recurrent Neural Networks for Text Classification," 2021 IEEE Asia-Pacific Conference on Computer Science and Data Engineering (CSDE), 2021, pp. 1-6, doi: 10.1109/CSDE53843.2021.9718394.

### International Conference on Service Operations and Logistics, and Informatics

IEEE-SOLI 2021

Singapore

11-12 December

- M. M. Hasan, S. M. Zaman, M. A. Talukdar, A. Siddika and M. G. Rabiul Alam, "An Analysis of Machine Learning Algorithms and Deep Neural Networks for Email Spam Classification using Natural Language Processing," 2021 IEEE International Conference on Service Operations and Logistics, and Informatics (SOLI), 2021, pp. 1-6, doi: 10.1109/SOLI54607.2021.9672398.

## Job Experience

### E-generation Ltd. (Dhaka, Bangladesh) | *Trainee Software Engineer*

May 2022-Present

- Gained first hand training on C#, MySQL, Entity framework and ASP.NET core.
- Developed and designed web-based applications using .NET6 implementing layered architecture and MVC pattern.
- Built and deployed efficient API, using Microsoft Azure cloud services.

## References

### Dr. Golam Robiul Alam

Associate Professor

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Department of Computer Science and Engineering, BRAC University

### Dr. Md. Ashraful Alam

Assistant Professor

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