

# Mahfuzur Rahman Chowdhury

## Computer Engenieer

A graduate of BRAC University who love to work on different types of problems that can be solved by machine learning based software. Therefore, my career goal is to work for a company where I can contribute in the company's betterment by working on those areas.



✉ mahfuzur.rahman.c@gmail.com

📍 Dhaka, Bangladesh

📞 live:.cid.707956876d610951

📞 01941807120

🌐 linkedin.com/in/mahfuzurchowdhury

🐙 github.com/Mahfuzur17101082

## WORK EXPERIENCE

### Data Scientist Intern ADSPL Tech

02/2021 - 05/2021

Work from Home

ADSPL is an Indian tech company which is focused on different kind of IOT and AI base works.

#### Tasks

- Data manipulation, cleaning and visualization
- Machine learning , deep learning model building and training
- AI softwaries deployment

### Student Tutor BRAC University

02/2020 - 09/2020

Dhaka, Bangladesh

BRAC University offers student per time student tutor jobs based on there CGPA, teaching skills and punctuality.

#### Tasks

- Taking tutorial class
- Evaluating quizzes and assignment
- Invigilating exams

### Vision Team Member BRACU Dubori

06/2018 - 03/2019

Dhaka, Bangladesh

BRACU Duburi is the first underwater autonomous rover in Bangladesh which compete Singapore Autonomous Underwater Vehicle Competition (SAUVC).

#### Tasks

- Creating, labeling and training images
- Detecting gate and line underwater
- Applying model on hardware

## SKILLS

Machine Learning

Deep Learning

Data Science

Computer Vision

Problem Solving

Mathematics

Object Orientated Programming

Statistics

## EDUCATION

### B.Sc. in Computer Science and Engineering BRAC University

01/2017 - 01/2021

CGPA: 3.64 (scale of 4)

#### Thesis

- Bangla License Plate Recognition from Noisy Video Footage using Deep Learning

### Minor in Mathematics BRAC University

01/2017 - 01/2021

CGPA: 3.82(scale of 4)

#### Electives

- Modern Probability Theory & Stochastic Processess
- Quantum Computing

### Higher Secondary Certificate (HSC) Dhaka Imperial College

2016

GPA: 4.92(scale of 5)

### Secondary School Certificate Willes Little Flower School and College

2014

GPA: 4.94 (scale of 5)

## LANGUAGES

English

Full Professional Proficiency

Bangla

Full Professional Proficiency

## PROGRAMMING LANGUAGES AND FRAMEWORK

### Programming Languages with Full Proficiency:

Python    Java    sql

### Programming Languages with Limited Proficiency:

Matlab    C++

### FRAMEWORKS and LIBRARIES:

Numpy    Pandas    Matplotlib    Seaborn    OpenCV  
Keras    TensorFlow    Sci-kit Learn    Unittest

## COURSE PROJECTS

### A Review System using Sentiment Analysis from Tweets

- The project takes a word or bunch of words from the user and collects 100 tweets which has those words by using Twitter student API where it applies sentiment analysis on those tweets and gives a result on 7 categories.

### BRACU Virtual Voice Assistant following MVC Pattern using Python Environment

- The projects takes voice comments from the user and based on that it helps the user to find faculty information, maintain schedule or search any particular topic from the internet.

## PERSONAL PROJECTS

### Health Bank Prediction in Bangladesh using Machine Learning

#### Project Description

- Predicting behavior and profits of Bangladeshi private banks by taking data from their previous year reports using different machine learning algorithm.

### Rhode Island Traffic Police Behavior Analysis and Action Prediction

#### Project Description:

- Analysis the traffic police behavior, with the help of pandas and seaborn library and predicting the action and outcome of the action of traffic police using different types of supervise learning algorithm

### Facial Expression Recognition System using Deep Neural Network

#### Project Description:

- Using a dataset of 28709 48x48 images of 6 different facial expression a neural network was build to train those data and predict unseen image of different facial expression.

### Article Recommendation System using Natural Language Processing

#### Project Description:

- An article recommendation system using key words from the article and cluster by the type of article that the user previously read.

## PERSONAL ACHIEVEMENTS

### 4 times Vice-Chancellor Listed (01/2017 - 01/2021)

Based on semester GPA , students are placed on VC's List, published during appropriate semester, is recognition of an undergraduate's outstanding academic performance that particular semester.

### Champion in Datathon (02/2020)

A national level competition named MUJIB BORSHO IT CARNIVAL 2020 organized Dhaka International University in 2020

### First Runner-up in Programming Contest (08/2018)

A intra university programming contest in BRAC University organized by BRAC University Computer Club

## CO CURRICULAR ACTIVITIES

### Vice President

#### BRAC University Adventure Club

2019 - 2020

Dhaka, Bangladesh

#### Tasks and Achievements

- Organizing Adventures Tours, Tourism Fair
- Developing Women Tourism in BRAC University
- Promoting Marathon in BRAC University

### Director of Stratigic Planning

#### Robotics Club of BRAC University

2019 - 2020

Dhaka, Bangladesh

#### Tasks and Achievements

- Organizing Intra University Robotics competition
- Taking Class in Basic of Robotics workshop
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## PERSONAL QUALITIES

Adaptability

Hard Working

Strategic Thinking

Team Player

Fast Learning

## PERSONAL INTERESTS

Coding

Football

Boxing

Traveling

## REFERENCES

### Md. Golam Rabiul Alam, PhD

#### Associate Professor, CSE Department

BRAC University

#### Contact:

- rabiul.alam@bracu.ac.bd
- +8801797347635

### Md. Khalilur Rhaman, PhD

#### Associate Professor, CSE Department

BRAC University

#### Contact:

- khalilur@bracu.ac.bd
- +8801752042223