



Mahfuzur Rahman Chowdhury

CSE GRADUATE · RESEARCHER

Dhaka, Bangladesh

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Summary

Recent graduate equipped with a Bachelor of Science in Computer Science and Engineering with a concentration in Machine Learning eager to join a reputable University to begin a fulfilling, lifelong career as a researcher. Extensive knowledge of machine learning, deep learning, software engineering, and object oriented programming. Additional knowledge of problem solving; expert in the planning and implementation of different algorithms and data structures in various problems. Currently enrolled in one year Masters of Science program of Computer Science and Engineering in BRAC University.

Education

BRAC University

M.SC. IN COMPUTER SCIENCE AND ENGINEERING || FRESHER

Thesis: PointCloud based Defect Detection in Manufacturing Industry

Dhaka, Bangladesh

Aug. 2021 - Present

BRAC University

B.SC. IN COMPUTER SCIENCE AND ENGINEERING || CGPA: 3.64 (SCALE OF 4)

Project & Thesis: Bengali License Plate Recognition from Noisy Video Footage using Deep Learning Methods

Dhaka, Bangladesh

Jan. 2017 - Jan. 2021

BRAC University

MINOR IN MATHEMATICS

Elective: Modern Probability Theory and Stochastic Processes

Dhaka, Bangladesh

Jan. 2017 - Jan. 2021

Work Experience

Research Assistant

OF DR. MD. GOLAM RABIUL ALAM

- Researching on different Deep Learning based projects and problems

Dhaka, Bangladesh

Sep. 2021 - Present

Machine Learning Intern

ADSPL TECH

- Data manipulation, cleaning, visualization and analysis
- Machine Learning, Deep Learning model building and training
- Model testing and deploying

Remote Work

Feb. 2021 - May. 2021

Student Tutor

SCHOOL OF DATA AND SCIENCE, BRAC UNIVERSITY

- Taking tutorial class
- Evaluating quizzes and assignment
- Invigilate exam

Dhaka, Bangladesh

Feb. 2020 - Apr. 2020

Instructor

BASIC OF ROBOTICS ACTIVITY, BRAC UNIVERSITY

- Taking class on Basic Robotics
- Assigning and helping student with projects
- Marking final projects

Savar, Dhaka, Bangladesh

Feb. 2018 - Dec. 2018

Skills

Research	Machine Learning, Deep Learning, Image Processing
Software Engineering	MVC Pattern, Agile Methodology, Unittest, Debugging
Mathematics	Probability, Distribution
Programming	Python, JAVA, sql, C++, LaTeX
Libraries:	Numpy, Pandas, Matplotlib, Keras, TensorFlow, OpenCV, Sci-kit Learn, Seaborn, Unittest
Frameworks:	Django
Languages	English, Bengali

Honors & Awards

INTERNATIONAL

2019 **Finalist**, Singapore Autonomous Underwater Vehicle Competition (SAUVC)

Singapore

DOMESTIC

2017-20 **4 times Vice-Chancellor Listed**, BRAC University

Dhaka, Bangladesh

2020 **Champion**, Datathon, Mujib Borsho IT Carnival 2020

Dhaka, Bangladesh

Publication

Bengali License Plate Recognition from Noisy Video Footage Using Deep Learning

Vancouver, Canada

12TH ANNUAL IEEE INFORMATION TECHNOLOGY, ELECTRONICS AND MOBILE COMMUNICATION CONFERENCE

Oct. 2021

Projects

Crop Detection App

Internship Project

THE ANDROID APPLICATION CAN CLASSIFY A CROP OUT OF 19 CATEGORIES USING IMAGES OF THAT CROP.

2021

- Technology Used: Python3, Tensorflow, OpenCV, Selenium, Google Colab, AWS, SQL, Android Studio, MVC Pattern

Self Driving Car Game using Reinforcement Learning

Personal Project

IN THE GAME THE CAR HAS THREE SENSORS BY WHICH IT CAN SENSE THE OPSTICAT IN FRONT OF IT. BY USING THAT IT USES NEGATIVE REINFORCEMENT LEARNING TO LEARN THE ROADS.

2021

Healthy Banks Prediction in Bangladesh using Machine Learning

Personal Project

PREDICTING BEHAVIOR AND PROFITS OF BANGLADESHI PRIVATE BANKS BY TAKING DATA FROM THEIR PREVIOUS YEAR REPORTS USING DIFFERENT MACHINE LEARNING ALGORITHMS.

2021

BRACU Virtual Voice Assistant

Course Project

THE PROJECT 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.

2020

A Review System using Sentiment Analysis from Tweets

Course Project

THE PROJECT TAKES A WORD OR BUNCH OF WORDS FROM THE USER AND COLLECTS 100 TWEETS WHICH HAVE THOSE WORDS BY USING TWITTER STUDENT API WHERE IT APPLIES SENTIMENT ANALYSIS ON TWEETS AND GIVES A RESULT ON 7 CATEGORIES.

2019

Extracurricular Activity

Vice President

BRAC University

BRAC UNIVERSITY ADVENTURE CLUB

Dhaka, Bangladesh

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

Director

BRAC University

DEPARTMENT OF STRATEGIC PLANNING, ROBOTICS CLUB OF BRAC UNIVERSITY

Dhaka, Bangladesh

- Organizing Intra University Robotics competition
- Taking class in Basic of Robotics workshop

References

Md. Golam Rabiul Alam, PhD

BRAC University

ASSOCIATE PROFESSOR, CSE DEPARTMENT

Dhaka, Bangladesh

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- Contact: (+880) 1797347635

Md. Khalilur Rhaman, PhD

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