

Mahmudul Haque



Address: Plot-26/28, Aftab Nogor Project, Block-C, Road No.3, Badda, Gulshan, Dhaka

Phone: +88 01880822541

Email: mahmudul.haque@g.bracu.ac.bd, i.m.mahmudul.haque@gmail.com

OBJECTIVE

To utilize my specialized aptitude in rationale advancement and information analysis in a research-based career; hence to acquire and apply advanced knowledge in "Computer Science" field

Work EXPERIENCE

Company: IOTA INFOTECH LIMITED

Role: Mobile Application Developer Flutter

RESEARCH EXPERIENCE

BRAC University, M. Sc. Research

Supervisor: Md. Golam Rabiul Alam, PhD (Associate Professor)

Current Responsibilities:

- Reading Related works of Digital Signal Processing
- Finding scope of work
- Learning deep learning techniques

BRAC University, B. Sc. Research

Topic: Integrated Physiological Signal-based Biomarkers for Automatic Stress Detection

Responsibilities:

- Establish a new model for improving research
- Create environment for data collection
- Extracting features from signals
- Prepare data and making regular report data analysis
- Perform data analysis for complex data and files
- Predict stress from the features

RESEARCH INTEREST

- Software Engineering
- Bioinformatics and Computational Biology
- Artificial Intelligence (AI)
- Data Science, Natural Language Processing and Machine Learning
- Digital Signal Processing
- Brain Computer Interface (BCI)
- Data Mining, Big Data

EDUCATION

Master Degree of Computer Science, BRAC University
2020 – 2021(August)
CGPA 4.00 out of 4.00 (12 credit completed)

Bachelor Degree of Computer Science, BRAC University
2017 - 2020
CGPA 3.56 out of 4.00

Higher School Education, Govt. Science College
GPA 4.58 out of 5.00

2014 - 2016

Secondary School Education, National Ideal College
GPA 5.00 out of 5.00

2012 - 2014

Junior School Education, National Ideal College
GPA 4.71 out of 5.00

2011

SKILLS

Research Knowledge: Machine Learning, Deep Learning, Data Science, Neural Network, Natural Language Process, Artificial Intelligence, Big Data, Digital Signal Processing, Bioinformatics

Database operation: MySql, Firebase

Industrial Knowledge: JavaFx, Flutter, Java Software, Object Oriented Programming (OOP), Python

Programming: C, C++, Java, Python, Matlab, R Programming, SQL, JavaScript, Dart

Web: PHP, HTML, CSS

Language: English (IELTS Overall - 6.5), Bangla (Native), Hindi (Moderate), Urdu(Moderate), French(Basic), Chinese(Basic)

PROJECTS

1. Java Projects

- University Student Information System (**Artificial Intelligence Project included, Database, Socket Programming, Threading,**)
- Restaurant Membership (**Database, Java**)
- Student Management (**Java Swing**)

2. Python, Data Science, Data Analysing

- COVID-19 Data Analyzing & Prediction
- Analysing Social Factors influenced by Covid-19 [NASA COVID-19 Apps Challenge] (**GEO Science**)
- Twitter Data Cleaning
- ECG, PPG, GSR Signals Feature Extraction

3. Flutter & Dart Projects

- 30D Ramadan App (**API, Quiz, News, Quran, Hadith**)
- Take A Bite Restaurant App (**Firestore**)
- Room Rental (Ni & Na)
- Easy It (Messenger App)(**UI/UX, Firestore**)
- Home Cookery

- Bangla Quote App
- Calculator App
- Note App
- Business Card App
- Xylophone App
- Roll Dice App

4. Others

- Avoiding Obstacles Robot (**Arduino**)
- Prime Number Detection (only using **logic gates**)
- Typing Test Website(**JavaScript**)
- Rapid App (**Android, Firebase**)
- Prize Bond Checker App (**UI/UX**)

CERTIFICATIONS

1. Programming for Everybody (Coursera)
2. Python Data Structures (Coursera)
3. Using Python to Access Web Data (Coursera)
4. Big Data Integration and Processing (Coursera)
5. Big Data Modeling and Management Systems (Coursera)
6. Graph Analytics for Big Data (Coursera)
7. Java for Android (Coursera)
8. Building Modern Python Applications on AWS (Coursera)

AWARDS

1. Covid-19 Combatants Unification Competition (CCUC) organized by IEEE [Achieved 2nd position]
2. IEEE Project Showcasing 2019 [Achieved 4th position]

REFERENCES

Dr. Mohammad Zavid Parvez
 Assistant Professor
 Department of Computer Science
 & Engineering,
 BRAC University (BRACU)
 66, Dhaka-1212, Bangladesh
E-mail: zavid.parvez@bracu.ac.bd

Mohammed Abid Abrar
 Lecturer,
 Department of Computer Science &
 Engineering,
 BRAC University (BRACU)
 66, Dhaka-1212, Bangladesh
E-mail: abid.abrar@bracu.ac.bd