Md. Fazle Rabbi

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🌐 Website · ⚙ GitHub · in LinkedIn · Google Scholar

EDUCATION

2013 – 2017 **Rajshahi University of Engineering & Technology (RUET)** – Rajshahi, Bangladesh
Bachelor of Science in Computer Science and Engineering
Position: 6th out of 117 students
CGPA: **3.77/4.00**

TEACHING EXPERIENCE

September, 2018 – present **Lecturer** (Dept. of CSE)
Bangladesh Army International University of Science and Technology (BAIUST)

January, 2018 – August, 2018 **Adjunct Lecturer**
Bangladesh University of Textiles (BUTEX)

PUBLICATIONS

2021 **A Convolutional Neural Network Model for Screening COVID-19 Patients Based on CT Scan Images**
M. F. Rabbi, S. M. M. Hasan, A. I. Champa, M. R. Hossain and M. A. Zaman.
International Conference on Big Data, IoT and Machine Learning (BIM 2021).

2021 **A Convolutional Neural Network Model for Early-Stage Detection of Autism Spectrum Disorder**
M. F. Rabbi, S. M. M. Hasan, A. I. Champa and M. A. Zaman.
International Conference on Information and Communication Technology for Sustainable Development (ICICT4SD).

2021 **A Comparative Study of Classification Approaches for COVID-19 Prediction**
S. M. M. Hasan, **M. F. Rabbi**, A. I. Champa and M. A. Zaman.
International Conference on Information and Communication Technology for Sustainable Development (ICICT4SD).

2021 **Machine Learning Based Models for Predicting Autism Spectrum Disorders**
S. M. Mahedy Hasan, **M. F. Rabbi**, A. I. Champa and M. A. Zaman.
International Conference on Big Data, IoT and Machine Learning (BIM 2021).

2021 **Tree-Based Classifier for Hyperspectral Image Classification via Hybrid Technique of Feature Reduction**
A. I. Champa, **M. F. Rabbi**, S. M. Mahedy Hasan, A. Zaman and M. H. Kabir.
International Conference on Information and Communication Technology for Sustainable Development (ICICT4SD).

2020	**Prediction of Liver Disorders using Machine Learning Algorithms: A Comparative Study** **M. F. Rabbi**, S. M. Mahedy Hasan, A. I. Champa, M. Asif Zaman and M. K. Hasan. *2nd International Conference on Advanced Information and Communication Technology (ICAICT).*
2020	**A Machine Learning Based Model for Early Stage Detection of Diabetes** S. M. Mahedy Hasan, **M. F. Rabbi**, A. I. Champa and M. A. Zaman. *23rd International Conference on Computer and Information Technology (ICCIT).*
2020	**An Effective Diabetes Prediction System Using Machine Learning Techniques** S. M. Mahedy Hasan, **M. F. Rabbi**, A. I. Champa and M. A. Zaman. *2nd International Conference on Advanced Information and Communication Technology (ICAICT).*
2020	**Hybrid Technique for Classification of Hyperspectral Image Using Quadratic Mutual Information** A. I. Champa, S. M. M. Hasan, M. A. Rahman and **M. F. Rabbi**. *IEEE Region 10 Symposium (TENSYMP).*
2019	**Improvement in Hyperspectral Image Classification by Using Hybrid Subspace Detection Technique** A. I. Champa, **M. F. Rabbi** and N. Banik. *International Conference on Sustainable Technologies for Industry 4.0 (STI).*

Research Experience

2016 – 2017	**Tile Oriented Video Coding** **Supervisor**: Ashek Ahmmed, Ph.D., Assistant Professor, Dept. of CSE, RUET The thesis focused on the study of the affine motion model. I split the video frames into tiles, applied this motion model, and finally blended the tiles to form the prediction of video frames.

Standardized Test Scores

10th October, 2019	Graduate Record Examination (GRE) - Overall Score: **311**
	• Quantitative: 162
	• Verbal: 149
	• Analytical: 3

Skills

Programming Languages: Python, Matlab, C, C++, Java
Communication: Bangla (Native Language), English (Fluent Working Proficiency)

Honors and Scholarships

2012	Higher Secondary Certificate (HSC) Scholarship
2005	Primary School Scholarship

Extra Curricular Activities

March 2016	Volunteer, National High School Programming Contest (NHSPC)
September 2015	Volunteer, National Collegiate Programming Contest (NCPC)
2013 – 2015	Member, Dhaka Nibashi Somity (DNS)

Mentorship and Service

Spring, 2019 – Present	**Co-advisor** BAIUST Computer Club
Fall, 2020 – Spring, 2021	**Program Coordinator** Department of Computer Science and Engineering, BAIUST
Fall, 2018 – Fall, 2020	**Batch Coordinator** Department of Computer Science and Engineering, BAIUST

Teaching

Courses Taken:

- Data Structures
- Database Management System
- Computer Fundamental and Basic Programming
- Theory of Computation
- Digital System Design
- Computer Programming