

Muhtasim

Born In Bangladesh | December 01, 1997

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PROFESSIONAL EXPERIENCE

Lecturer

*Department of Computer Science and Information Technology
Faculty of Computer Science and Engineering
Patuakhali Science and Technology University*

June 2025 – Present
Patuakhali-8602, Bangladesh

- **Course Taking:** System Analysis and Design

Former Lecturer

*Department of Computer Science and Engineering
Bangladesh Army University of Engineering & Technology (BAUET)*

December 2021 – June 2025
Natore-6431, Bangladesh

- **Course Taking:** Object Oriented Programming, Machine Learning, Data and Network Security, Software Engineering and Information System Design
- Supervising student integrated design projects and thesis work

EDUCATION

Patuakhali Science and Technology University

Master of Science in Computer Science and Information Technology

Patuakhali-8602, Bangladesh
2020-2022

- CGPA: 3.80
- Position: 2nd
- Symbolic Machine Learning, Advanced Algorithms Analysis, Natural Language Processing, Parallel and Distributed Computing
- Supervisor: Dr. Md. Abdul Masud

Patuakhali Science and Technology University

Bachelor of Science in Computer Science and Engineering

Patuakhali-8602, Bangladesh
2016-2019

- CGPA: 3.60
- Position: 3rd
- Major Courses: Object Oriented Programming, Data Structures and Algorithms, Computer Network, Cryptography and Network Security, Artificial Intelligence, Machine Learning, Data Warehousing and Mining, Operating Systems
- Supervisor: Prof. Golam Md. Muradul Bashir

Notre Dame College

HSC in Science

Dhaka, Bangladesh
2014-2015

- GPA: 5.00

B.L. Govt. High School

SSC in Science

Sirajganj, Bangladesh
2012-2013

- GPA: 5.00

RESEARCH INTEREST

Machine Learning, Artificial Intelligence, Data Science and Big Data, Deep Learning

PUBLICATIONS

CONFERENCE PAPERS

1. G. Muradul Bashir, **M. Muhtasim** and M. Ahmed, "An Effective Approach of Evaluating Cognitive Weight and Equivalent Distribution of Programming Problems," in 2020 2nd International Conference on Sustainable Technologies for Industry 4.0 (STI), Dhaka, Bangladesh, 2020 pp. 1-5. doi:10.1109/STI50764.2020.9350515
2. M. S. Ali, R. Islam, **Muhtasim** and R. Haque, "Improved MRI Reconstruction via Deep Learning-Driven Compressed Sensing and k-Space Theorem," 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023, pp. 1-6, doi:10.1109/ICCCNT56998.2023.10307760.

JOURNAL PAPERS

1. **Muhtasim**, Masud, M.A. (2023) Clustering Countries on COVID-19 Data among Different Waves Using K-Means Clustering. Journal of Computer and Communications, 11, 1-14. doi: 10.4236/jcc.2023.117001.
2. **Muhammad Muhtasim**, Md. Showrov Hossen, "Data Analysis and Success Prediction of Mobile Games before Publishing on Google Play Store ", International Journal of Education and Management Engineering (IJEME), Vol.14, No.3, pp. 13-21, 2024. DOI:10.5815/ijeme.2024.03.02
3. **Muhtasim**, Redoanul Haque, Md. Sumon Ali , Md. Showrov Hossen " A Machine Learning Approach to Predict the Consumer Purchasing Behavior on E-commerce Website During Covid-19 Pandemic", International Research Journal of Engineering and Technology (IRJET), Volume 10, Issue 1, January 2023 <https://www.irjet.net/volume10-issue1> S.No:175, p-ISSN: 2395-0072, e-ISSN: 2395-0056
4. Sadia Haq Tamanna, **Muhammad Muhtasim**, Aroni Saha Prapty, Amrin Nahar, Md. Tanvir Ahmed Tagim, Fahmida Rahman Mousi, Shadia Afrin, " Evaluation of Machine Learning Algorithms for Malware Detection: A Comprehensive Review ", International Journal of Wireless and Microwave Technologies (IJWMT), Vol.15, No.2, pp. 51-67, 2025. DOI:10.5815/ijwmt.2025.02.05
5. **Muhtasim**, Rahman, M., Khan, J., Mostafizur Rahman, A.S.M., Haque, R. and Ali, Md.S. (2023) A Critical Analysis of Machine Learning and Deep Learning Methods for Cervical Cancer Screening. Journal of Computer and Communications, 11, 64-85. doi: 10.4236/jcc.2023.1112005.
6. Md. Ahadur Rohman Ahad, Md. Omar Faruqe , **Muhtasim**, Samia Rahman Nova, Md. Soyco Azha, "Prognostic and Therapeutic Insights from Comparative Transcriptomics Analysis of Thalassemia" [**Under Publishing**]

THESES

B.Sc. Thesis: An Effective Approach of Evaluating Cognitive Weight and Equivalent Distribution of Programming Problems

M.Sc. Thesis: Clustering Countries on COVID-19 Data among Different Waves Using K-Means Clustering.

TECHNICAL SKILLS

Languages: Python, Java, C++

Frameworks: OpenCV, TensorFlow, Keras, Scikit-learn, Flutter

Database & Tools : MySQL, Oracle, SQL, GitHub, Matlabetc.

Libraries: NLTK, NumPy, Pandas, SciPy, Matplotlib

AWARDS

- 2022 **Dean's Merit Award**, Level 1, M.Sc. in CSIT, PSTU, Faculty of CSE
- 2020 **Dean's Merit Award**, Level 4, B.Sc. in CSE, PSTU, Faculty of CSE
- 2023 **3rd Best Paper**, 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), Delhi, India, 2023

PROBLEM SOLVING AND HACKATHON EXPERIENCE

- Participated in several programming contests and several hackathons all around the country organized by different universities

REFERENCES

Mohammad Jamal Hossain

Professor

Dept. of Computer Science and Information Technology

Patuakhali Science and Technology University

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Dr. Md Abdul Masud

Professor

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