

PERSONAL INFORMATION Mahedi Hasan

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[Google Scholar](#),  
[GitHub](#)

Publications

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**Conference** Mahedi Hasan, Anichur Rahman, Md. Rezaul Karim, Md. Saikat Islam Khan, Md. Jahidul Islam, "Normalized Approach to Find Optimal Number of Topics in Latent Dirichlet Allocation (LDA)", International Conference on Trends in Computational and Cognitive Engineering (TCCE-2020), Springer, DOI: 10.1007/978-981-33-4673-4\_27 (Awarded with 1st Runner up)

**Journal** Anichur Rahman, Umme Sara, Dipanjali Kundu, Saiful Islam, Md. Jahidul Islam, Mahedi Hasan, Ziaur Rahman and Mostofa Kamal Nasir, "DistB-SDoIndustry: Enhancing Security in Industry 4.0 Services Based on Distributed Blockchain Through Software Defined Networking-IoT Enabled Architecture" International Journal of Advanced Computer Science and Applications (IJACSA), 11(9), 2020, [IF: 1.324, Indexing: WoS & Scopus], DOI :10.14569/IJACSA.2020.0110980

Anichur Rahman, Md Jahidul Islam, Antonio Montieri, Mostofa Kamal Nasir, Md Mahfuz Reza, Shahab S Band, Antonio Pescape, Mahedi Hasan, Mehdi Sookhak, Amir Mosavi, "SmartBlock-SDN: An Optimized Blockchain-SDN Framework for Resource Management in IoT" IEEE Access, 9, 2021, DOI:10.1109/ACCESS.2021.3058244

Saiful Islam, Umme Sara, Abu Kawsar, Anichur Rahman, Dipanjali Kundu, Diganta Das Dipta, Mahedi Hasan, "SGBBA: An Efficient Method for Prediction System in Machine Learning Using Imbalance Dataset", International Journal of Advanced Computer Science and Applications (IJACSA), 12(3), 2021. [IF: 1.324, Indexing: WoS & Scopus], DOI: 10.14569/IJACSA.2021.0120351

M. A. Habib, R. R. Ema, T. Islam, M. Y. Arafat, and Mahedi Hasan, 'Automatic text summarization based on extractive-abstractive method', Radioelectronic and Computer Systems, no. 2, pp. 5–17, 2023. DOI: <https://doi.org/10.32620/reks.2023.2.01>

Ahmed, Fee Faysal, Anamika Podder, Md Farhad Bulbul, Md Amzad Hossain, Mahedi Hasan, Md Abdur Rauf Sarkar, and Daijin Kim. "Investigating the Precise Identification of Citrullination Sites with High-Performance Score Metrics using a Powerful Computation Predicting Tool." Combinatorial Chemistry & High Throughput Screening (2023).

WORK EXPERIENCE

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## Curriculum vitae

29/06/24-Present	<b>Lecturer</b> Mawlana Bhasani Science and Technology University (MBSTU)
09/04/2022-28/06/2024	<b>Lecturer</b> Jashore University of Science and Technology (JUST)
01/03/2020-06/04/2022	<b>Lecturer</b> National Institute of Textile Engineering and Research (NITER)
01/04/2017-29/02/2020	<b>Lecturer</b> International Islamic University Chittagong (IIUC)
17/09/2016-31/03/2017	<b>Lecturer</b> Daffodil International University (DIU)

## EDUCATION AND TRAINING

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01/09/2014-01/07/2016	<b>Master of Science in Database Technologies</b> Saint Petersburg state university (Russia) <b>Attended Heuristic search, Machine learning etc. courses in University of Paderborn (Germany) as an exchange student</b>
Research	<b>Ontology based clustering of text documents</b> Area: Information retrieval, Machine learning, Text mining, Natural language processing Medical Subject Heading (MeSH) Topic modelling

- 01/09/2013–01/07/2014 Preparatory course on language & Mathematics for master's course
- 31/01/2008–01/01/2013 **Bachelor of Engineering in Information and Communication Technology (ICT)**  
Mawlana Bhasani Science and Technology University, Tangail (Bangladesh)  
**Result** 3.80 out of 4.00 (Awarded with Dean's award for occupying 2nd position in the department)  
**Thesis** Interference management in femto-cellular network
- 26/08/2007 **Higher Secondary Certificate (HSC)**  
Govt. Hazi Muhammad Mohsin College, Chittagong, Bangladesh  
**Result: 4.60 out of 5.00 (Science)**
- 09/07/2005 **Secondary School Certificate (SSC)**  
Ataturk Model High School, Dagonbhuyan, Feni, Bangladesh  
**Result: 5.00 out of 5.00 (Science)**  
**Awarded with board scholarship for outstanding Marks.**

THESIS/PROJEC  
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SUPERVISIO  
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Performance analysis of Term Frequency-Inverse Document Frequency (TF-IDF) and Latent Dirichlet Allocation (LDA)  
Handling Class Imbalance in Federated Learning  
Online shopping management system "Kenakata"  
Online Job portal System  
Smart Vaccination System

TEACHING

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Database Management System (DBMS)  
Distributed Database  
Data Warehouse and Mining  
Object Oriented Programming with Java  
Microprocessor and microcontroller  
Data Communication  
Data structure and algorithm  
Discrete Mathematics  
Bioinformatics

PERSONAL SKILLS

Mother tongue(s) Bengali

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B1
German	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user Common European Framework of Reference for Languages

**Communication skills** Good communication skill has been developed through engaging with different co-curricular activities in student exchange program in Germany.

**Organizational / managerial skills** Good organizational and team spirit have been developed through a long working experiences of 6 years 4 months and through working in projects with group mates and students in home and abroad.

**Research-related skills** Excellency in Bayesian Inference, Topic Modelling, Data warehousing etc.

ADDITIONAL INFORMATION

**Awards** -Winner of **1 st prize** at 2nd Intra University **Programming Contest'2010** held at Mawlana Bhasani Science & Technology University, Bangladesh.  
-Winner of the **Dean's Award** for having 2nd position (Academic Result) in the department.

**References** Dr. Vladimir Dobrynin Urevich (Thesis supervisor)  
Associate professor, Faculty of Applied Mathematics and Control Process Saint Petersburg state university, Russia  
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Prof. Dr. Andrey Pechnikov  
Faculty of Applied Mathematics and Control Process, Saint Petersburg state university, Russia. Chief of the laboratory of Telecommunication Systems  
Institute of applied mathematical research, Russian academy of sciences E-mail: [pechnikov@krc.karelia.ru](mailto:pechnikov@krc.karelia.ru)

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