Sk. Tanzir Mehedi

I Don't Believe In Magic

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Bangladesh
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⌂ https://tanzirmehedi.github.io

Tanzir?

- **Excellent academic background and experience in the field of Data Science and security analysis of IoT technologies with Blockchain**.
- **Proven ability to work as an individual or a team member with minimal supervision**.
- **Highly motivated and eagerly interested in learning through the fulfillment of all commitments**.

Educational Attainments

Mawlana Bhashani Science and Technology University, Bangladesh
M.Sc. (Engineering) in Information and Communication Technology

- 🔗 *http: www.mbstu.ac.bd*
- 🗓 Class of 2019
- 🗓 Result Published: May, 2022

CGPA
4.00 / 4.00
1st Position

Mawlana Bhashani Science and Technology University, Bangladesh
B.Sc. (Engineering) in Information and Communication Technology

- 🔗 *http: www.mbstu.ac.bd*
- 🗓 Class of 2017
- 🗓 Result Published: August, 2019

CGPA
3.93 / 4.00
1st Position

Govt. Khan Bahadur Ahsanullah College, Khulna, Bangladesh
Higher Secondary Certificate Examination, Jashore Board

- 🔗 *http: www.kbagc.ac.bd*
- 🗓 Class of 2012

GPA
5.00 / 5.00

Moutala Secondary High School, Satkhira, Khulna, Bangladesh
Secondary School Certificate Examination, Jashore Board

- 🔗 *http: www.mhs.edu.bd*
- 🗓 Class of 2010

GPA
5.00 / 5.00

Academic Experiences

1/'23-Present — **Lecturer (Full-time)**,
Department of CSE, University of Asia Pacific, Dhaka, Bangladesh.

1/'20-12/'22 — **Lecturer (Full-time)**,
Department of IT, University of Information Technology and Sciences, Dhaka, Bangladesh.

Industrial Experiences

9/'19-12/'19 — **Data Analyst Engineer - Internship**,
Fujitsu Research Institute, Tokyo, Japan.

Research Experiences

1/'18-6/'19 — **Research Fellow**,
Information and Communication Technology (ICT) Division, Bangladesh - Government of the People's Republic of Bangladesh, Dhaka, Bangladesh.
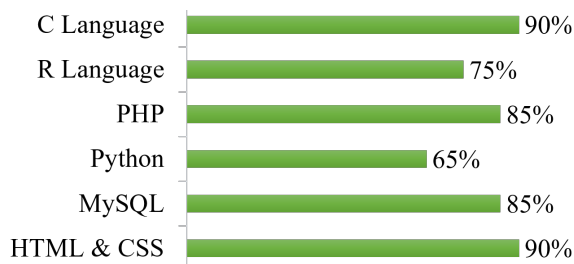
Research Interests

I want to move forward myself to the research activities. It gives me immense pleasure, passion, and a realization as well when I go over in the research area of my interest.

- Investigate and improving the performance and security of the IoT Applications using Data Science.
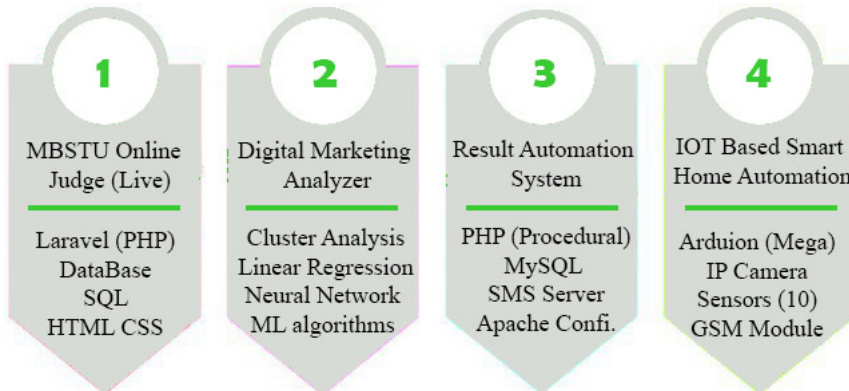
Achievements and Certificates

Scholarships	Merit Scholarship, Faulty of Engineering, MBSTU in every year from 2015 to 2018
Award	Project Show (Best Innovative Idea) event at Digital Innovation Fairs, 2018
Appreciation Certificate	EEE Day Inter-University Project/Thesis Presentation 2018, BUET for Project Titled on IoT Based Smart Home Automation and Security Mechanism.
Certificate of Achievement	Inter University Programming Contest in 1st MBSTU CSE Carnival, 2017 and AB Bank IUT 8th ICT Fest Programming Contest, 2016

Technical Skills

Skill	Level
C Language	90%
R Language	75%
PHP	85%
Python	65%
MySQL	85%
HTML & CSS	90%

Tools	Code Blocks, Excel (Data Analysis), Git, Google Colab, Anaconda, Tableau
Research	Weka, SPSS, MATLAB, LaTex, Jupyter Notebook, Riverbed, COMSOL

Completed Projects

1

MBSTU Online Judge (Live)

Laravel (PHP)
DataBase
SQL
HTML CSS

2

Digital Marketing Analyzer

Cluster Analysis
Linear Regression
Neural Network
ML algorithms

3

Result Automation System

PHP (Procedural)
MySQL
SMS Server
Apache Confi.

4

IOT Based Smart Home Automation

Arduion (Mega)
IP Camera
Sensors (10)
GSM Module

Details	Projects Details and Another Projects Link : https:www.github.com/tanzirmehedi

Professional Affiliation

IEEE-R10	Member, The Institute of Electrical and Electronics Engineers (IEEE)
	Member Number: 94893789

Leading Skills

IEEE SB	Chair at IEEE MBSTU Student Branch, 2019
IEEE SB	Vice-Chair at IEEE MBSTU Student Branch, 2018

Language Skills

Bengali
Native
Fluent

English
Professional
Excellent

Japanese
Professional
Basic

Publications

Journals

- Sk. Tanzir Mehedi et al. "Dependable Intrusion Detection System for IoT: A Deep Transfer Learning-based Approach" *IEEE Transactions on Industrial Informatics*, 2022

- Sk. Tanzir Mehedi et al. "Blockchain Applicability for the Internet of Things: Performance and Scalability Challenges and Solutions" *Electronics*, vol. 11, pp. 1416, 2022

- Sk. Tanzir Mehedi et al. "MLBioIGE: Integration and interplay of machine learning and bioinformatics approach to identify the Genetic Effect of SARS-COV-2 on Idiopathic Pulmonary Fibrosis Patients" *Biology Methods and Protocols*, 2022

- Sk. Tanzir Mehedi et al. "A Systematic Literature Review on Blockchain Enabled Federated Learning Framework for Internet of Vehicles" *IEEE Access*, 2022

- Sk. Tanzir Mehedi et al. "Deep Transfer Learning Based Intrusion Detection System for Electric Vehicular Networks" *Sensors*, vol. 21, no. 14, pp. 4736, 2021

- Sk. Tanzir Mehedi et al. "Blockchain-based security management of IoT infrastructure with Ethereum transactions" *Iran J. Comput. Science - Springer*, vol. 2, no. 3, pp. 189–195, 2019

- Sk. Tanzir Mehedi et al. "Graphene injected D-shape photonic crystal fiber for nonlinear optical applications" Silicon - Springer, vol. 2, no. 7, pp. 1-8, 2019

Conferences

- Sk. Tanzir Mehedi et al. "A Comprehensive Study of IoT Application Layer Security Management" *IEEE International Conference for Innovation in Technology*, 2020

Book Chapters

- Sk. Tanzir Mehedi et al. "CPU performance prediction using various regression algorithms" *International Conference on Machine Intelligence and Data Science Applications*, 2020

Personal Statement

Proactive communicator with a can-do attitude, adept at quickly learning and grasping new ideas and concepts, and the drive to ensure the highest standards of service are delivered. Excellent written and verbal communication skills with a capacity to deal with cultural diversity and communicate effectively with people of different ages and backgrounds in the workplace. An honest, eager individual with a genuine passion for achieving goals for self and others.

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