MOHD. SULTAN AHAMMAD
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ACADEMIC BACKGROUND

- ❖ **M. Sc.** (Engineering), 2017, Computer Science and Engineering, Mawlana Bhashani Science and Technology University, Bangladesh. CGPA**: 3.75** in the scale of 4.0 (**First Place**).
- ❖ **B. Sc.** (Engineering), 2013, Computer Science and Engineering, Mawlana Bhashani Science and Technology University, Bangladesh. CGPA**: 3.84** in the scale of 4.0 (**First Place**).

LIST OF PUBLICATIONS

2024	1.	"KL-FedDis: A Federated Learning Approach with Distribution Information Sharing Using Kullback-Leibler Divergence for Non-IID Data," Md. Rahad, Ruhan Shabab, **Mohd. Sultan Ahammad**, Md. Mahfuz Reza, Amit Karmaker, Md. Abir Hossain – published on Neuroscience Informatics, Elsevier, November 28, 2024, ISSN: 2772-5286.
2024	2.	"E-Commerce Product Recommendation System using Machine Learning Algorithms," Ataur Rahman, Mamunur Rashid, **Mohd. Sultan Ahammad** – published on International Journal of Computer Applications (IJCA), Volume 186 - No.28, July 2024, ISSN: 0975-8887.
2022	3.	"A combined approach of non-subsampled contourlet transform and convolutional neural network to detect gastrointestinal polyp", Md. Mahmodul Hasan, Muhammad Minoar Hossain, Shisir Mia, **Mohd. Sultan Ahammad**, Mohammad Motiur Rahman – published on Multimedia Tools and Applications, Springer Nature, February 14, 2022, ISSN: 1380-7501.
2021	4.	"Relationships between Self-esteem and Depression with Facebook Addiction among the University Students", Arzo Ahmed, Md. Mamunur Rashid Mamun, Shayla Naznin, Mir KaosarAhamed, Nigar Sultana, **Mohd. Sultan Ahammad**, Shahin Mahmud, Abdul Muyeed – published on *Annals of the Romanian Society for Cell Biology*, Volume 25 - Issue 6, 2021, ISSN: 1583-6258
2021	5.	"The effects of Tx./Rx. pointing errors on the performance efficiency of local area optical wireless communication networks", Mahmoud M. A. Eid, Ahmed Nabih Zaki Rashed, **Mohd. Sultan Ahammad**, Bikash Kumar Paul, Kawsar Ahmed – published on Journal of Optical Communication (JOC), February 10, 2021, ISSN: 2191-6322.
2020	6.	"An Empirical Mode Decomposition (EMD) based on Steganographic Method for Digital Images", **Mohd. Sultan Ahammad**, Anichur Rahman, Md. Razaul Karim, Mohammad Motiur Rahman – published on International Journal of Imaging and Robotics (IJIR), Volume 20 - Issue 3, 2020, ISSN: 2231-525X.
2020	7.	"A Framework for M-Health Services Using 4G (LTE) Technology", **Mohd. Sultan Ahammad**, Anichur Rahman – published on International Journal of Innovative Science and Research Technology (IJISRT), Volume 5 - 2020 - Issue 3 – March, ISSN: 2456-2165.
2020	8.	"An Efficient Image Denoising Technique for Unprocessed Raw Images using Combine Linear and Non-Linear Filtering", Anichur Rahman, Md. Anwar Hussen Wadud, Md. Razaul Karim, Md. Wahidur Rahman, **Mohd. Sultan Ahammad** – published on International Journal of Computer Applications (IJCA), Volume 177 - No.38, February 2020, ISSN: 0975-8887.

TEACHING EXPERIENCE

Assistant Professor	June 2021 to Present	✓ Instructor for B.Sc. and M.Sc. theoretical courses like discrete mathematics, data structure, software engineering, machine learning, blockchain and cryptocurrency.
Lecturer	June 2019 to June 2021	
Department of Computer Science and Engineering Mawlana Bhashani Science and Technology University (MBSTU), Tangail, Bangladesh. Phone: (880 921) 62408, Mobile: +88 01734095495		✓ Lab instructor for B.Sc. courses such as OOP, DBMS, Web Engineering, etc. ✓ Thesis supervisor of B.Sc. and M.Sc. students.

INDUSTRIAL EXPERIENCE

Principal Officer, IT Meghna Bank Ltd., Dhaka, Bangladesh	**Mar/2019 - June/2019**

- Develop an internet banking solution using Spring MVC and Spring Boot
- Develop a middleware service for a transaction system, such as a fund transfer

Associate Manager, IT BRAC Bank Ltd., Dhaka, Bangladesh	**Aug/2016 - Mar/2019**

- Develop a Real Time Gross Settlement system using Java Play framework, XML, and a Queue
- Develop a Service Oriented Architecture using Oracle Service Bus

Sr. Software Engineer BRAC IT Services Ltd.	**Apr/2014 - July/2016**

- Develop a Cash Management Application for various enterprise organizations.
- Develop SMS Push/Pull services for in-house applications using core Java.

Software Engineer Hi-Tech Bangla (Bangladesh) Ltd.	**Oct/2012 - Mar/2014**

- Upgradation of Radar Control Simulation System for Bangladesh Air Force using
- Develop a War Gaming Simulator System for the Bangladesh Air Force

TECHNICAL SKILLS

Technical Area	Tools/Platform/Portal Experience
Programming Language	Python, Java, C, C++, C#, PHP, Assembly Language
ML Tools	Pandas, NumPy, Scikit-learn, MATLAB
DL Framework	TensorFlow, PyTorch
Tools	Jupyter Notebook, VS Code, Matlab, PyCharm, Visual Studio, GitHub, Docker, Latex
Database	MySQL, MongoDB, Oracle, MSSQL, MS-Access
Web Development	HTML5, CSS, XML, WSDL, JavaScript, jQuery, React, SOAP, REST, JSON
Framework	Django, Spring Boot, Spring MVC, Laravel, Play, .NET
Server Configuration	Database Server, Glassfish Server, Linux Server, Apache Server
Operating System	Windows 7/8/10/11, Fedora, Ubuntu, Kali
Networking	LAN, Web server, Mail server, FTP server, DNS server, and DHCP server

STANDARDIZED TEST SCORES

International English Language Testing System (IELTS) – 07th September 2024

Overall	Listening	Reading	Writing	Speaking
7.0	7.5	6.5	6.0	7.0

RECOGNITION/AWARD

Type	Details
Academic	✓ Achieved Dean's Award and Gold Medal for being in first position in the Department of CSE, Mawlana Bhashani Science & Technology University. ✓ General Grade Scholarship in Level 2 (2nd year, MBSTU) ✓ General Grade Scholarship in Level 3 (3rd year, MBSTU)
Industry	Selected as a member of the Best Team Award for the Quarter as a Successful OSB Middleware server and service automation, including major BACH clearing projects in BRAC IT Services Ltd.

(Mohd. Sultan Ahammad)