

Muhaddid Alavi

MSc in Computer Science and Engineering (CSE), Jagannath University (JnU), Dhaka, Bangladesh

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Interest To Work On

- **Machine Learning:** Supervised and Unsupervised Learning, Clustering, Regression, Optimization
- **Deep Learning:** Neural Networks, Sequence Models, Time Series and Prediction, Transfer Learning Methods
- **Computer Vision:** Image Processing, Color-Shape-Size Detection and Sorting, Automatic Inspection, Medical Imaging

Publications

- Partho Ghose, **Muhaddid Alavi*** et al., "Detecting COVID-19 Infection Status from Chest X-Ray and CT scan via Single Transfer Learning-Driven Approach", September, 2022 [Accepted in *Frontiers in Genetics Computational Genomics*, Impact Factor: 4.274, [Webserver](#)] (* for the co-second author)
- **Muhaddid Alavi*** et al., "Profitable Ranking of Stock Market Organizations Using Different Machine Learning Models", December, 2021 [Accepted in *R10-HTC*, [Webserver](#)] (* for the co-first author)

Education

Jagannath University

MSc in Computer Science and Engineering (CSE) [Overall CGPA: 3.35/4.00, Project GPA: 3.75/4.00]

Dhaka, Bangladesh

2018 - 2019

- **Project:** Profitable Stock Market Organizations Ranking Using Different Machine learning Models

Jagannath University

BSc in Computer Science and Engineering (CSE) [Overall CGPA: 3.29/4.00]

Dhaka, Bangladesh

2014 - 2017

- **Project:** Hand Gesture Recognition and Voice Conversion System Using American Sign Language

Work Experience

Habibullah Bahar College ([Website](#))

Lecturer, Department of Computer Science and Engineering

Dhaka, Bangladesh

May 2023 - Present

JnU-Emerging Technologies Research Lab ([Website](#))

Research Assistant

Dhaka, Bangladesh

Nov 2020 - April 2023

- In the first project, **we have predicted stock exchange future data** [Research Outcomes](#)
- In the second project, **we adopt the transfer learning method to identify the COVID-19 patients** [Research Outcomes](#)
- I am also continuing my work on Big Data Analysis, Machine Learning, Deep Learning and one of **my manuscript is under review in "Intelligent Systems with Applications" journal-Elsevier** as a first author

Technical Skills

Programming Languages: Well-versed in Python, among others (C/C++, Java, R, Shell-Script)

Machine Learning Research Tools: TensorFlow/Keras, PyTorch, scikit-learn, NumPy, pandas, matplotlib, Seaborn

Writing Tools: LaTeX

Operating Systems: Linux-based OS (Ubuntu) with the firm command-line controls and Linux-server configuration

Expertise: Teamwork, Time Management, Communication, Presentation skills.

Miscellaneous: Git/GitHub (version control), Kaggle Notebooks Documentation, Google Colab Notebooks

Languages

English IELTS Score: 6.5

Bengali Native Language

Accomplishments

2020	Idea selected for presentation round, IEEE-CS-BDC-WS2020 [Category: AI, ML and Robotics]	Bangladesh
2020	Deep Learning Specialization, More details (taught by Dr. Andrew Ng)	Coursera
2020	Bayesian Methods for Machine Learning, Credential (taught by Daniil Polykovskiy)	Coursera
2020	Sequences, Time Series and Prediction, Credential (taught by Laurence Moroney)	Coursera
2020	Natural Language Processing Specialization, More details (taught by Younes Bensouda Mourri)	Coursera
2020	Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning, Credential (taught by Laurence Moroney)	Coursera
2021	Arduino Fundamentals certification , [Category: Electronics and Physical Computing]	Online
2016	Mobile Application Development (Android), BITM [Category: OOP, Navigation, Storage, and so on]	Bangladesh
2015	First round, 4th DUITS National Campus IT Fest [Category: Mobile Application Development]	Bangladesh

Voluntary Works / Community Services

2023-going	Moderator, Computer Club , Habibullah Bahar College	Bangladesh
2019-going	Kaggle Contributor , Providing numerous datasets, notebooks and valuable discussions Homepage	Online
2018-19	Class Representative , Department of Computer Science and Engineering (5th batch), JnU	Bangladesh

Reference

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Mehnaz Tabassum Assistant Professor, Department of Computer Science and Engineering E-mail: mehnaz@cse.jnu.ac.bd; Cell: +880 1913 497661	Jagannath University (JnU) Dhaka, Bangladesh