

Md Mustakin Alam

+13375579820 | mustakin.alam267@gmail.com | [LinkedIn: Md. Mustakin Alam](#)
[Github: mustakinalam](#) | [ResearchGate: Md Mustakin Alam](#) | [Google Scholar: Md. Mustakin Alam](#)
[Website: https://mustakinalam.github.io/](https://mustakinalam.github.io/)

EDUCATION

University of Louisiana at Lafayette <i>Doctor of Philosophy - PhD in Computer Science</i>	Lafayette, Louisiana, United States August 2024 – Present
BRAC University <i>Bachelor of Science in Computer Science and Engineering</i> CGPA: 3.96/4 Thesis: Federated Ensemble-Learning for Transport Mode Detection in Vehicular Edge Network	Dhaka, Bangladesh May 2019 – May 2023

EXPERIENCE

Graduate Teaching Assistant <i>University of Louisiana at Lafayette</i> <ul style="list-style-type: none">As a Graduate Teaching Assistant, I provide consultations on the assigned courses and grade tasks.	August 2024 – Present <i>Lafayette, Louisiana, United States</i>
Adjunct Lecturer <i>BRAC University</i> <ul style="list-style-type: none">As a lecturer, I take classes of undergraduate courses, provide consultations of the corresponding courses, grade tasks, and invigilate exams.	September 2023 – July 2024 <i>Dhaka, Bangladesh</i>
Machine Learning Engineer <i>mPower Social Enterprises Ltd.</i> <ul style="list-style-type: none">As a Machine Learning Engineer, I build custom machine learning models as a solution to address real-world problems.	June 2023 – July 2024 <i>Dhaka, Bangladesh</i>
Undergraduate Teaching Assistant <i>BRAC University</i> <ul style="list-style-type: none">As a teaching assistant, I attended labs and classes, graded assignments, provided 15 hours/week of consultation, offered learning materials, facilitated tutoring, guided study skills, and assisted with research papers.	February 2022 – April 2023 <i>Dhaka, Bangladesh</i>

Experience details are available here: <https://mustakinalam.github.io/experience/>

RESEARCH INTEREST

Artificial Intelligence, Machine Learning, Deep Learning, Natural Language Processing, Federated Learning

PUBLICATIONS

- [1] **Md. Mustakin Alam**, Tanjim Ahmed, Meraz Hossain, Mehedi Hasan Emo, Md. Kausar Islam Bidhan, Md Tanzim Reza, Md. Golam Rabiul Alam, Mohammad Mehedi Hassan, Francesco Pupo, Giancarlo Fortino. **“Federated Ensemble-Learning for Transport Mode Detection in Vehicular Edge Network”**. In: Future Generation Computer Systems, *FGCS (2023)* DOI: <https://doi.org/10.1016/j.future.2023.07.022> [Journal: Q1, IF: 7.50]
- [2] Rakin Mostafa, Md. Humaion Kabir Mehedi, **Md. Mustakin Alam**, Annajiat Alim Rasel. **“Bidirectional LSTM and NLP based Sentiment Analysis of Tweets”**. In: 14th International Conference on Soft Computing and Pattern Recognition, *SoCPaR (2022)*. DOI: [10.1007/978-3-031-27524-1_62](https://doi.org/10.1007/978-3-031-27524-1_62) [Conference]
- [3] Nafisa Nawer, Md. Shakiful Islam Khan, **Md. Mustakin Alam**, Md. Humaion Kabir Mehedi, Annajiat Alim Rasel. **“Transformation of Visual Information Into Bangla Textual Representation”**. In: 2023 IEEE 13th Annual Computing and Communication Workshop and Conference, *CCWC (2023)* DOI: [10.1109/CCWC57344.2023.10099345](https://doi.org/10.1109/CCWC57344.2023.10099345) [Conference]

Other publications are available here: <https://mustakinalam.github.io/publications/>

PROJECTS

- Sentiment Analysis Using Bidirectional LSTM** | *Python, NLTK* July 2022 – September 2022
- This is a sentiment analysis project based on Bidirectional LSTM and Natural Language Processing. This project finds more than 90% accuracy while classifying sentiments.
- Traffic Flow Prediction: A Time Series Analysis Using LSTM** | *Python* September 2022 – October 2022
- It is a time series analysis project using LSTM neural network. In this project, the traffic flow is predicted as a regression problem to control the traffic flow.
- Paper Tales** | *HTML, CSS, JS, MySQL, Laravel framework, PHP, Stripe API* June 2022 – August 2022
- This project was made for the completion of the course Software Engineering (CSE470) of BRAC University.
 - This is a full-fledged web app project for an online book store built from scratch.

Other projects are available here: <https://mustakinalam.github.io/projects/>

TECHNICAL SKILLS

Languages: Python, Java, C, PHP, Bash, MySQL, HTML/CSS, LaTeX, Markdown
Developer Tools: Visual Studio Code, PyCharm, IntelliJ, MS Office, Google Suite, Overleaf, Google Colab, Jupyter Notebook, Cisco Packet Tracer
Frameworks & Libraries: Laravel, Pandas, NumPy, Matplotlib, Seaborn, Tensorflow, Scikit-learn
Operating Systems: Windows, Linux
Hardware Interfacing: Arduino UNO, Raspberry Pi 4

EXTRACURRICULAR ACTIVITIES & COMPETITIONS

- Senior Executive of Human Resources** September 2019 – October 2021
Robotics Club of BRAC University - ROBU Dhaka, Bangladesh
- Assistant Director of Human Resources** October 2019 – August 2020
BRACU Entrepreneurship Development Forum (EDF) Dhaka, Bangladesh
- Olympiad Participant** October 2017
National Environment Olympiad, Art, & Poster Competition 2017 Dhaka, Bangladesh
- Competition Participant** June 2022
Robi Datathon 2.0 Dhaka, Bangladesh

AWARDS & ACHIEVEMENTS

- Merit Scholarship Based on BRACU Academic Results** November 2020 – March 2023
BRAC University Dhaka, Bangladesh
- 75% waiver on Tuition Fees every semester for maintaining a CGPA over 3.95 on a scale of 4.
- Vice Chancellor's List and Dean's List Award** May 2023
BRAC University Dhaka, Bangladesh
- Got placed on VC's List for 9 semesters as recognition of achieving a GPA of 3.90-4.00 on those particular semesters.
 - Got placed on Dean's List for 1 semester as recognition of achieving a GPA of 3.70-3.89 on that particular semester.
- Completed Bachelor's with Highest Distinction** May 2023
BRAC University Dhaka, Bangladesh
- Awarded to candidates whose CGPA is 3.80 or higher.