

Md Atikuzzaman

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Career Objective

Currently, I'm employed as a Lecturer in the Department of Computer Science and Engineering at Green University of Bangladesh. I earned my Master of Science degree in Artificial Intelligence from Kyung Hee University in the Republic of Korea. I'm looking for a suitable position that will enable me to continue my research and deepen my expertise in Computer Vision, Machine Learning, Deep Learning, and Medical Imaging.

Employment History

- Sept., 2019 – Present **Lecturer**, Dept. of Computer Science and Engineering, **Green University of Bangladesh, Bangladesh**
- Sept., 2022 – Aug., 2024 **Research Assistant**, Machine Learning & Visual Computing Laboratory, **Kyung Hee University, Republic of Korea**
- May, 2019 – July, 2019 **Data Artist (Associate)**, **Catalyst Solutions (DBA - Adiva Graphics), Bangladesh**

Education

- 2022 – 2024 **Master of Artificial Intelligence, Kyung Hee University**
Dept. of Artificial Intelligence
Thesis title: *Enhanced Urban Cellular Traffic Prediction using Feature Modulation in Densely Connected Convolutional Networks*
- 2015 – 2019 **B.Sc. in Computer Science and Engineering, Green University of Bangladesh**
Dept. of Computer Science and Engineering
Thesis title: *Vehicle Number Plate Detection and Categorization Using CNNs.*
- 2011 – 2013 **Higher Secondary School Certificate(H.S.C), Adamjee Cantonment College**
Concentration: Science
- 2006 – 2011 **Secondary School Certificate (S.S.C.), Takerhat Popular High School**
Concentration: Science

Research Publications

Journal Articles

- 1 M. Atikuzzaman, M. P. Hossain, M. Z. Islam, and S. A. Kabir, "A comparative analysis of convolutional neural networks for trash classification," *GUB Journal of Science and Engineering (GUBJSE)*, vol. 8, no. 01, pp. 17–23, 2021.
- 2 M. Pervej, S. Das, M. P. Hossain, M. Atikuzzaman, M. Mahin, and M. A. Rahaman, "Real-time computer vision-based bangla vehicle license plate recognition using contour analysis and prediction algorithm," *International Journal of Image and Graphics*, vol. 21, no. 04, p. 2150042, 2021.

Conference Proceedings

- 1 M. Atikuzzaman and S.-H. Bae, "Accelerating and diversifying diffusion sampling with grayscale diffusion and gan-based colorization," in *KIBME: 2024 Korean Society of Broadcasting and Media Engineering Summer Conference*, 2024, pp. 1178–1182.
- 2 M. Atikuzzaman and S.-H. Bae, "Beyond random noise: Investigating alternative initialization strategies for dataset condensation," in *KIBME: 2024 Korean Society of Broadcasting and Media Engineering Summer Conference*, 2024, pp. 1005–1008.
- 3 M. Atikuzzaman and S.-H. Bae, "Efficient and effective inr: A dive into levels-of-experts (loe) and sine activation," in *2024 International Conference on Information Networking (ICOIN)*, IEEE, 2024, pp. 496–499.
- 4 M. P. Hossain, M. Atikuzzaman, M. Rahman, M. A. R. Refat, and M. G. Hussain, "Mirror text classification from image using machine learning techniques," in *International Conference on Multi-Strategy Learning Environment*, Springer, 2024, pp. 177–188.
- 5 M. M. Rahman, M. S. Afrin, M. Atikuzzaman, and M. A. Rahaman, "Real-time anomaly detection and classification from surveillance cameras using deep neural network," in *2021 3rd International Conference on Sustainable Technologies for Industry 4.0 (STI)*, Dec. 2021, pp. 1–6.
- 6 M. Atikuzzaman, T. R. Rahman, E. Wazed, M. P. Hossain, and M. Z. Islam, "Human activity recognition system from different poses with cnn," in *2020 2nd International Conference on Sustainable Technologies for Industry 4.0 (STI)*, Dec. 2020, pp. 1–5.
- 7 M. P. Hossain, M. Atikuzzaman, M. M. Rahim, M. T. Hossain, M. S. Mousome, and M. A. Rahaman, "Human robot interaction system for behavioral improvement of autistic children," in *2020 2nd International Conference on Advanced Information and Communication Technology (ICAICT)*, Nov. 2020, pp. 117–122.
- 8 M. Atikuzzaman, M. Asaduzzaman, and M. Z. Islam, "Vehicle number plate detection and categorization using cnns," in *2019 International Conference on Sustainable Technologies for Industry 4.0 (STI)*, Dec. 2019, pp. 1–5.

Skills

Languages	<ul style="list-style-type: none"> 📌 Bengali: Native Language 📌 English: Fluent (Speaking, Reading, Writing)
Coding	📌 C, Python, Java, PHP, R, SQL, ...
Databases	📌 MySQL, PostgreSQL, SQLite.
Web Dev	📌 HTML, CSS, JavaScript, Apache Web Server, Django, Flask.
Misc.	📌 Academic research, teaching, training, typesetting and publishing.

Miscellaneous Experience

Awards and Achievements

- **President's Scholarship (Foreigners)**, Kyung Hee University, Covering the full tuition fees for the duration of the Master's degree program.
- **Junior School Certificate (J.S.C) Scholarship**, Board of Intermediate and Secondary Education, Dhaka.
- **Vice-Chancellor's Awards**, Two times V.C Certificate Award for Outstanding Academic Result in Green University of Bangladesh.
- **Programming Contest Awards**, Three times 1st Runner up (Group) Certificates/Crest for Inter Semester Programming Contest at Green University of Bangladesh and One-time 1st Runner up (Group) in IEEE Programming Contest Organized by IEEE SB GUB.
- **Debating Competition Awards**, 1st Runner up (Group) in Inter departmental Debating Competition at Green University of Bangladesh.
- **Book Reading Competition Awards**, Two-times Book Reading Competition Award (For being in the top, honorary membership (Gold) at British Council Library)

Certification

- 2024 ■ **Research Ethics**, Kyung Hee University, Republic of Korea.
- 2020 ■ **Certificate in Teaching and Learning (CTL)**, Green University of Bangladesh.

Participation

- **Workshop**: "*Machine Learning Tools and Techniques*" organized by IEEE SB GUB.
- **Workshop**: "*The Excelist 2018 – A National Excel Training & Competition*" organized by UIU Finance Forum.
- **Workshop**: "*Academic Leadership and Management*" by Prof. Dr. Md. Golam Samdani Fakir, Vice Chancellor, Green University of Bangladesh organized by GUCETL of GUB.
- **Seminar**: "*Research Methodology and Academic Thesis Writing*" organized by the Dept. of Computer Science and Engineering of GUB

Extracurricular Activities

- **Publication Committee member** at *International Conference on Sustainable Technologies for Industry 4.0* (STI 2019), (STI 2020), (STI 2021) and (STI 2024).
- **Core Committee member** at Dhaka-Ai (AI-Based Dhaka Traffic Detection Challenge), 2020.
- **GitHub Faculty member** from 2020 (GitHub Teacher Toolbox to give educators free access to the best developer tools in one place.)
- **GitHub Student member** in 2018 (GitHub Student Developer Pack: to give students free access to the best developer tools in one place so they can learn by doing).
- **Student Ambassador** at IEEEExtreme 2017.
- **Executive Member** at Green University Computer Club (GUCC) 2016.

Research Interests

Computer Vision, Machine learning, Deep learning, Medical Imaging