Syed Nahin Hossain

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Portfolio: https://nahin-jzs.github.io/
GitHub: https://github.com/NAHIN-JZS
LinkedIn: https://www.linkedin.com/in/syed-nahin-hossain-658189176/

Research Interests

Computer Vision, Deep Learning, Machine Learning, Artificial Intelligence

Professional Experience

Lecturer at Department of CSE   July, 2023 – Current
Bangladesh Army University of Engineering & Technology   *Full Time*

Education

Khulna University of Engineering & Technology   2018 – 2023
B.Sc. in Computer Science and Engineering || CGPA : 3.50 out of 4.00   *Khulna, Bangladesh*

Major Project & Thesis

Gray Scale to Color Image Conversion using Generative Adversarial Network   2022 - 2023
Technologies: Python, GAN, Image Processing, Tensorflow, Transfer Learning
- Converted Gray scale image to Color Image
- Examined the effect in different color space(RGB, Lab, HSV, YUV, YCbCr)
- Trained on different architecture

Automatic License Plate Recognizer   2021 - 2021
Technologies: Python, Transfer Learning , YOLOv4, Tensorflow model Zoo, OpenCV
- AI system to detect and recognize Bangladeshi License Plate
- Save plate number into a CSV file

Journal Paper

Gray Scale to Color Image Conversion using   2025
Generative Adversarial Network
Under Review in Array

Advancing Water Quality Management: Comparative Analysis of   2023 - 2025
Machine Learning Models for Predicting WQI in Dhaka's Rivers
Journal: *Environmental Sciences Europe || **IF:** 6.0 || **DOI:** 10.1186/s12302-025-01078-w*

Conference Paper

Bangladeshi Local Vehicle Recognition with   2022 - 2022
A Comprehensive Dataset using Transfer Learning Techniques
Publisher: *IEEE || **DOI:** 10.1109/STI56238.2022.10103325*

Automatic License Plate Recognition System for   2021 - 2022
Bangladeshi Vehicles Using Deep Neural Network
Publisher: *Springer || **DOI:** 10.1007/978-981-16-6636-0_8*

Technical Skills

- **Programming Languages:** Python, C++, C, PHP
- **Database:** MySQL
- **Misc:** Tensorflow, OpenCV, PyTorch, Git, OpenGL, LaTeX

Online Course

Advanced Computer Vision with TensorFlow - Coursera
*Credential URL : https://www.coursera.org/account/accomplishments
/certificate/WGGARW5V77N2*

Deep Learning Specialization - Coursera
*Credential URL : https://www.coursera.org/account/accomplishments/specialization
/certificate/H2WE5NNZJ7FP*

Machine Learning for Everyone TRACK - DataCamp
*Credential URL : https://www.datacamp.com/statement-of-accomplishment
/track/96ac459575eeee28999bfeda8d0bfa66a8d189cd*

Awards & Scholarship

Dean's Award	
Khulna University of Engineering Technology, Khulna	*2021 - 2022*
Best Paper Award	
International Conference on Big Data, IoT and Machine Learning (BIM)	*2021*
Board Scholarship for Higher Secondary Certificate Examination (HSC)	
Board of Intermediate and Secondary Education, Jashore	*2017*
Board Scholarship for Secondary School Certificate Examination (SSC)	
Board of Intermediate and Secondary Education, Jashore	*2015*
Board Scholarship for Junior School Certificate Examination (JSC)	
Board of Intermediate and Secondary Education, Jashore	*2012*

Co-Curricular Activity

President	
Jashore Association of KUET (JAK)	*2022-2023*
Organizing Secretary	
Hardware Acceleration Club of KUET (HACK)	*2022-2023*
Senior Petrol Leader	
1 no Jashore Zilla School Scout Team, Jashore	*2013-2015*

References

Dr. Sk. Md. Masudul Ahsan
Professor, Department of Computer Science & Engineering,
Khulna University of Engineering & Technology, Khulna 9203, Bangladesh
E-Mail: smahsan@cse.kuet.ac.bd, Contact No: +880 1714 087 283

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