Syed Nahin Hossain

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Portfolio: https://nahin-jzs.github.io/
GitHub: https://github.com/NAHIN-JZS
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Education

Khulna University of Engineering & Technology	2018 – 2023
Computer Science and Engineering || CGPA : 3.50 out of 4.00	*Khulna, Bangladesh*
Govt. M M College	2015 – 2018
Higher Secondary Certificate || GPA : 5.00 out of 5.00	*Jashore, Bangladesh*

Major Project & Thesis

Gray Scale to Color Image Conversion using Generative Adversarial Network — 2022 - 2023

Technologies: 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

Research

Automatic License Plate Recognition System for Bangladeshi Vehicles Using Deep Neural Network — 2021 - 2022

Publisher: Springer
- Presented an optimal end-to-end solution for the Automatic License Plate Recognition system
- Introduced rich datasets of images of Bangladeshi license plates from major cities of Bangladesh.
- Created a custom algorithm to emphasize properly formatted output generation.

Bangladeshi Local Vehicle Recognition with A Comprehensive Dataset using Transfer Learning Techniques — 2022 - 2022

Publisher: IEEE
- Introduced rich dataset of images of Bangladeshi vechicles.
- Six pre-trained models are trained and assessed their effectiveness on the introduced dataset.
- The best pre-trained for Bangladeshi vehicle recognition, localization, and classification has been proposed

Technical Skills

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

Introduction to Deep Learning with PyTorch - DataCamp
Credential URL : https://www.datacamp.com/statement-of-accomplishment/course/5e094dcb24d611ce68e67874d8aa4c7548eadda1

Databases and SQL for Data Science - Coursera
Credential URL : https://www.coursera.org/account/accomplishments/certificate/3CZZHX4DVLM3

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*