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/

Professional Experience

Machine Learning Engineer(Part Time) — 2020 –2021
MazeGeek Technologies BD Ltd. — *Remote*
- Collaborated with a research team, which is focused on Augmented Reality.

Education

Khulna University of Engineering & Technology — 2018 – Present
Computer Science and Engineering || CGPA : 3.48 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

Image Colorization using Generative Adversarial Network — 2022 - Present
Technologies: GAN, Image Processing, Tensorflow, Transfer Learning
- Converting Gray scale image to Color Image
- Examine in different color space(RGB, Lab, HSV)
- Train on different architecture

Kill The Man-OpenGL Game — 2022
Technologies: C++, OpenGL
- Video game made in OpenGL to kill a specific man in a car

Automatic License Plate Recognizer — 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
https://link.springer.com/chapter/10.1007/978-981-16-6636-0_8
- 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.

Technical Skills

- **Programming Languages:** Python, C++, C, Java
- **Database:** MySQL, Oracle
- **Framework & SDK:** Anaconda, VSCode, Android Studio
- **Misc:** Tensorflow, OpenCV, PyTorch, Git, PHP, OpenGL, LaTeX

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-Current*
Organizing Secretary	
Hardware Acceleration Club of KUET (HACK)	*2022-Current*