

Syed Nahin Hossain

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Portfolio: <https://nahin-jzs.github.io/>
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Professional Experience

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

Education

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

Major Project & Thesis

Image Colorization using Generative Adversarial Network <i>Technologies: GAN, Image Processing, Tensorflow, Transfer Learning</i> <ul style="list-style-type: none">• Converting Gray scale image to Color Image• Examine in different color space(RGB, Lab, HSV)• Train on different architecture	2022 - 2023
Kill The Man-OpenGL Game <i>Technologies: C++, OpenGL</i> <ul style="list-style-type: none">• Video game made in OpenGL to kill a specific man in a car	2022
Automatic License Plate Recognizer <i>Technologies: Python, Transfer Learning, YOLOv4, Tensorflow model Zoo, OpenCV</i> <ul style="list-style-type: none">• AI system to detect and recognize Bangladeshi License Plate• Save plate number into a CSV file	2021

Research

Automatic License Plate Recognition System for Bangladeshi Vehicles Using Deep Neural Network <i>Publisher: Springer</i> <ul style="list-style-type: none">• 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.	2021 - 2022
Bangladeshi Local Vehicle Recognition with A Comprehensive Dataset using Transfer Learning Techniques <i>Publisher: IEEE</i> <ul style="list-style-type: none">• Introduced rich dataset of images of Bangladeshi vehicles.• 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	2022 - 2022

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/3CZZHX4DVL3>

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