MAHMUDUR RAHMAN LIMON

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Machine Learning Engineer

Experience on working with machine learning, deep learning, opencv, socket-programming, flutter. Also have good experience in cloud based system like aws, azure. Hopes to focus and learn more on deployment machine learning and robotics.

EXPERIENCE

31th August, 2021 -31th March, 2024

COMPUTER VISION ENGINEER – HELLO LLAMA – ATLANTA GA, USA

Building android based apps with flutter, which will connect with BLE for showing warning from radar, connect with a dashcam from which user can see the real time video from mobile. Also show user ride history on google maps with the coordinates, warning position and image.

Make validation report for different model with how it performance in unknown test data. Good knowledge of Unit, integration test.

Help to build object detection model for an IoT device which can detect different objects like road, sidewalk, bike-lane, bike-symbol, parking sign. When it sees sidewalk at a fixed time limit it gives audible warning. Also warn user if they don't make proper parking.

Build rider helmet-detection. If it detect rider is not wear helmet then it zoom into face. The zoom part is add because of not properly detect helmet part. Also it can detect chin-strap part from the helmet.

Capturing data from sensor mat with Uart and make an image and then pass that image to a modelto detect is there 2 person riding on the scooter.

Building many custom deep learning models and deploy on jetson-nano, also convert many custom and pre-trained models compatible for jetson-nano.

1st July, 2021 - 31th August, 2021

OMDENA BANGLADESH CHAPTER

Collaborate with multiple people and solve computer vision problem and natural łanguage processing problem

15th March, 2021 - 15th June, 2021

MACHINE LEARNING ENGINEER(INTERN) – EXPERT CONSORTITUM LTD. - DHAKA, BANGLADESH

Driver anomaly/activity recognition. Identifying a driver's behavior is very essential for safe driving. Generate an alert if the driver is in some certain condition otherwise it is safe-driving.

Developed an object tracking system. If an object crosses a certain line or area it will take a snapshot of that object. Use GPU for better performance.

Automatic Unknown Face Recognition or labeling and also liveliness detection. If a person is unknown and also in a live(not in a picture)then it collects data from web-cam or IP-camera, thenmake a specific folder for every person and name a random string of that folder. That will be theclass of that person. After that train the faces with the LBP algorithm. Use RabbitMQ as a message passing interface at the time of training images. If someone shows his/her photo then it displaysFake and does not collect any pictures otherwise it display Real and collect pictures.

Using socket-programming open multiple cameras at a time. When a new IP camera is launchedit call a thread for each IP camera.

SKILLS

C | Flutter | PYTHON | MACHINE LEARNING | DEEP LEARNING | NLP | Computer Vision

EDUCATION

2020
Bachelor in Computer Science & Engineering
Dhaka International University
CGPA : 3.86

2014
Higher Secondary Certificate
Shahid Syed Nazrul Islam College
GPA : 5.00

2012
Secondary School Certificate
Mukul Niketan High School
GPA : 5.00

CERTIFICATES

Introduction to Self-Driving Cars
https://www.coursera.org/account/accomplishments/certificate/MJAQ4CHH8UKF

Introduction to Deep Learning
https://www.coursera.org/account/accomplishments/verify/WD2AZTF8SCRQ

Convolutional Neural Networks
https://www.coursera.org/account/accomplishments/verify/FQEMHATY95WA

Text Retrieval and Search Engines
https://www.coursera.org/account/accomplishments/verify/FBKX7X4QWURY

Sequences, time series and prediction
https://www.coursera.org/account/accomplishments/verify/5Z2UHAMDZENG