MD. MAHEDI HASAN RIDAY

Machine Learning Engineer Intern

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EXPERIENCE

Teaching Assistant

Southeast University

June 2019 - September 2019 | Dhaka, Bangladesh

- Planned and prepared teaching aids, such as worksheets, Short Articles, slides to assist with daily lessons.
- Assist Thesis team.
- Tutored students with special needs.

EDUCATION

Southeast University

Bachelor of Science: Computer Science and Engineering

2019 | Dhaka, Bangladesh

CGPA : 3.72

RESEARCH AND PUBLICATION

- Predicting the outcome of a football match based on match & team statistics.[under-review]

RELATED COURSES AND CERTIFICATE

Deep Learning Specialization

Coursera

January 2020

Computer Vision Nanodegree

Udacity

September 2019 - December 2019

AREAS OF INTEREST

- Machine Learning
- Deep Learning
- Computer Vision

SKILLS

- Deep Learning Algorithm and it's Framework: CNN, RNN, MLP, PyTorch, Keras
- Programming Language: Python, C++, C
- Image Processing: OpenCV
- Others: Git, Latex, Ubuntu

PROJECTS

Landmark Detection & Robot Tracking

- Implement Simultaneous Localization and Mapping (SLAM) for a two dimensional world and created a map of an environment from only sensor and motion data gathered by a robot. [On-Going]

Image Captioning

- An image captioning model using Convolutional Neural Networks (CNN) and Recurrent Neural Networks (RNN) knowledge to build a deep learning model that produces captions given an input image.[Code]

Facial Keypoints Detection

- Using computer vision techniques and deep learning architectures developed a facial keypoint detection system. Facial keypoints include points around the eyes, nose, and mouth on a face.[Code]

Aerial Cactus Identification

- Using Convolutional Neural Network, Developed a model to identify a specific type of cactus in aerial imagery. [Code]

Generating Anime Faces

- Developed Generative adversarial network based model for generating anime faces.

Identifying Pneumonia by Image-Based Deep Learning Model

- Developed a Convolution Neural Network based model to detect Pneumonia using X-Ray images of Chest.[Code]

CO-CURRICULAR ACTIVITIES

- Worked as an online volunteer for Facebook-Udacity Scholarship challenge on Secure and Private AI [Study Group Moderator]