MD. MAHEDI HASAN RIDAY

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AREAS OF INTEREST

Machine Learning | Software Development

EXPERIENCE

Teaching Assistant

Southeast University

June 2019 - October 2019 Dhaka, Bangladesh

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

EDUCATION

Southeast University

Bachelor of Science: Computer Science and Engineering

2015 - 2019 Dhaka, Bangladesh

CGPA : 3.72

RELATED COURSES AND CERTIFICATE

Deep Learning Specialization [1 - 4]

Coursera

January 2020

Computer Vision Nanodegree

Udacity

September 2019 - January 2020 [CER.]

CO-CURRICULAR ACTIVITIES

- Worked as an online volunteer for a Facebook-Udacity Scholarship challenge on Secure and Private AI.

SKILLS

- Deep Learning Framework: PyTorch, Keras, TensorFlow
- Programming Language: Python, C++
- Web Framework: Django
- Image Processing: OpenCV
- Others: Web scraping, Git

PROJECTS

Indoor Location & Navigation

- Build a Machine Learning model to identify the position of a smartphone in a shopping mall. [On-going]

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. [Code]

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]

News Aggregator

- An web application using Django framework which aggregates data from websites and show in one place.[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]

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]