# MD. MAHEDI HASAN RIDAY

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## AREAS OF INTEREST

Deep Learning | Software Development

## EXPERIENCE

### Teaching Assistant

**Southeast University**

June 2019 - October 2019 | Dhaka, Bangladesh

- Carried out administrative tasks
- Planned and prepared teaching aids, such as worksheets, Short Articles, slides to assist with daily lessons.
- Assisted students woth their innovative ideas.
- Supported the students who needed extra help

## 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 in Secure and Private AI scholarship challenge organized by Facebook and Udacity.

## 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**

- Developing a machine learning model to detect a smartphone's location in a shopping mall. [On-going]

**Landmark Detection & Robot Tracking**

- Created a map of an environment using just sensor and motion data collected by a robot utilizing Simultaneous Localization and Mapping (SLAM) in a two-dimensional world. [Code]

**Image Captioning**

- Convolutional Neural Networks (CNN) and Recurrent Neural Networks (RNN) were used to develop a deep learning model that generates captions from an input image. [Code]

**Facial Keypoints Detection**

- Developed a facial key point detection system using computer vision techniques and deep learning framework. Facial keypoints include points around the eyes, nose, and mouth on a face.[Code]

**Identifying Pneumonia**

- A deep learning model was developed to diagnose Pneumonia from a given X-Ray image.[Code]