



EDUCATION

Masters in Computer Engineering Chosun University

03/2021 - 02/2023

3.60/4.00

Thesis

- Aggregated multiscale self supervised denoising

B.Sc. in Electronics and Communication Engineering Khulna University

12/2014 - 03/2019

3.01/4.00

Thesis

- Classification of Chest X-Ray images to detect pneumonia using Deep Residual Network

WORK EXPERIENCE

Graduate Research Assistant Computer Vision Lab, Chosun University

04/2021 - 02/2023

Kwangju, Republic of Korea

Tasks

- Working on different projects for Face detection, and recognition.
- Developing code for self-supervised image denoising.
- Developing neural network model for image to image conversion.
- Debugging latest works done on segmentation based deep learning.

System Engineer Grameenphone Ltd

07/2019 - 06/2020

Tasks

- Alarm surveillance of Network elements and systems.
- Escalate, follow up and report alarms in 24X7 Roster until seizure.
- Stability Checking based on System Benchmark KPI.
- Ensuring terminal based support during Planned Activity execution in the Network and follow up till successful.
- Providing better experience to Content Providers.

Contact : Rinto Barua - +8801711083627

SKILLS

Deep Learning

Image Processing

Image to Image model

Convolution based deep learning

Face recognition model

Face detection model

PERSONAL PROJECTS

FRVT 1:1 face recognition project (04/2021 - Present)

- Developed a custom face recognition model based on Residual Connection.

Portable printer prototype (09/2017 - 01/2018)

- It's developed using microprocessor. Which can use any image input and draw that image on a paper.

DC Power supply (09/2016 - 12/2016)

- It's a low cost dc voltage supplier from 0-20 Volts

PUBLICATIONS

Rethinking Gradient Weight's Influence over Saliency Map Estimation, MDPI, Sensors, 22 (17), 6516, 2022.

Masud An Nur Fahim, Nazmus Saqib, Shafkat Khan Siam, Ho Yub Jung

Denoising Single Images by Feature Ensemble Revisited, MDPI, Sensors, 22 (18), 7080, 2022.

Masud An Nur Fahim, Nazmus Saqib, Shafkat Khan Siam, Ho Yub Jung

PROGRAMMING LANGUAGES

Python

Full Professional Proficiency

C++

Limited Working Proficiency

MatLab

Professional Working Proficiency