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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 of Engineering & Technology

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

- Developed and implemented advanced face detection and recognition algorithms for various projects.
- Designed and developed code for self-supervised image denoising techniques.
- Troubleshooting and refining recent work on segmentation-based deep learning methods and results for different methods for the co-authored papers.
- Created neural network models for image-to-image conversion.

System Engineer Grameenphone Ltd

07/2019 - 06/2020

Tasks

- Conducted 24/7 alarm surveillance of network elements and systems.
- Escalated, following up, and reporting alarms until resolved.
- Performed stability checks based on system benchmark KPIs.
- Provided terminal-based support during planned activity execution in the network and ensuring successful completion.
- Enhanced the experience for 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