Shafkat Khan Siam

AI Researcher & Developer

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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

Research Engineer
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 for FRTE 1:1 evaluation.
- 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.
- Worked on the National Research Foundation of Korea (NRF) grant funded by the Korea government (MSIT) (NRF-2021R1A2C1009776).

Reference : Salman Md Sultan - +8801705644008

System Engineer
Grameenphone Ltd

07/2019 - 06/2020 *Dhaka, Bangladesh*

Tasks

- Conducted 24/7 alarm surveillance of network elements and systems.
- 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.

Reference : Fathhul Bari - +8801711086744

SKILLS

AI Frameworks | ML Libraries | Deep Learning | Transfer Learning | Image Processing | Numpy/ Pandas | Communicate & Work with team | Tensorflow/ Keras | Supervised/ Unsupervised ML | Probability Theory

PROJECTS

FRTE 1:1 face recognition project Competition (NRF-2021R1A2C1009776) (04/2021 - 02/2023)
- Developed a custom face recognition model based on Residual Connection.

Explainable AI (NRF-2021R1A2C1009776) (04/2021 - 02/2023)
- Developed a method for calculating how an AI model interpret a class.

Supervised Image Denoising (NRF-2021R1A2C1009776) (04/2021 - 02/2023)
- Created method based on extracting shallow features from Image.

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.

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++
Professional Working Proficiency

MatLab
Professional Working Proficiency

LEARNING STAGES

Docker containerization | AWS/ Azure | CI/ CD