

Shafkat Khan Siam

AI Researcher & Developer



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📄 khan022.github.io/

👤 github.com/khan022

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

Machine Learning Engineer

Rokomari Ltd

03/2024 - Present

Dhaka, Bangladesh

Tasks

- Developed Recommendation Engine for the e-commerce site Rokomari.com. Created data cleaning and processing pipeline for personalized recommendation.
- Creating advertisement panel to serve targeted advertisement to relevant users.

Research Engineer

Computer Vision Lab, Chosun University

04/2021 - 02/2023

Kwangju, Republic of Korea

Tasks

- 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 benchmarks.
- 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

NLP

Deep Learning

Transfer Learning

Image Processing

Numpy/ Pandas

Communicate & Work with team

Tensorflow/ Keras

Supervised/ Unsupervised ML

LLM creation

Recommendation Generation

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