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Shafkat Khan Siam

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Research Interest

Deep Neural Network, Self-supervised process, Image Processing, Machine Learning

Employment

Graduate Research Assistant	**Computer Vision Lab, Chosun University**	**April 2021 - February 2023**

- Working on different projects for Face detection, recognition.
- Developing code for self-supervised image denoising.
- Creating results for different previously developed methods in different datasets.

Project Engineer	**Robi Axiata Ltd.**	**October 2020 - November 2020**

- Working on increasing the allocated bandwidth for base transceiver.
- Following the regulation on creating or removing beam formation from zonal controller.

System Engineer	**Grameenphone Ltd.**	**July 2019 - June 2020**

- Working on monitoring all the IT based system for all kind of subscribers.
- Becoming the first line of defense in any outage in services.
- Maintaining the business and technology relations to provide the best service possible.

Education

Gwangju, South Korea	**Chosun University**	**March 2021 – February 2023**

- **M.Sc.** in Computer Engineering (CE)
- **Thesis title:** Aggregated multiscale self-supervised denoising
- **Thesis code:** https://github.com/khan022/aggregated-multiscale-self-supervised-denoising
- **Thesis Domain:** Image Processing & Machine Learning
- **CGPA:** 4.06 out of 4.50 (90.2%)
- **Scholarship:** Merit order scholarship throughout 2 years' study of M.Sc.

Khulna, Bangladesh	**Khulna University of Engineering & Technology (KUET)**	**December 2014 – March 2019**

- **BSc.** in Electronics and Communication Engineering (ECE)
- **Thesis title:** Classification of Chest X-Ray images to detect pneumonia using Deep Residual Network
- **Thesis Domain:** Image Processing & Machine Learning
- **CGPA:** 3.01 out of 4.00 (64.72%)

Publications

Journal Articles

- Masud An Nur Fahim, Nazmus Saqib, **Shafkat Khan Siam**, Ho Yub Jung, ***Rethinking Gradient Weight's Influence over Saliency Map Estimation***, MDPI, Sensors, 22 (17), 6516, 2022.
  DOI: 10.3390/s22176516
- 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.
  DOI: 10.3390/s22187080

LANGUAGES AND TECHNOLOGIES

- **Programming Languages:** Python, C, C++, MATLAB
- **Machine Learning Tools:** Tensorflow, Keras, PyTorch, scikit-learn
- **Framework:** Arduino
- **SCB:** Raspberry Pi
- **PCB/Circuit design:** Proteus

STANDARDIZED TEST SCORES

- **International English Language Testing System (IELTS):** 26-Oct-2019

Overall	Listening	Reading	Writing	Speaking
7.5	8.5	8.5	6.5	7.0

- **Graduate Record Examinations (GRE): 12-Oct-2020**

Quantitative Reasoning	Verbal Reasoning	Analytical Writing
162	147	3.5

VOLUNTEERING ACTIVITIES

- **Committee Member**, Manipulators of Electrons Club (Nov 2017 - Mar 2019)
- **Co-founder**, Innovation and Research Association for Students (IRAS) - KUET, (Jul 2018 - Mar 2019)
- **Organizer:** Technival 2019 (nationwide technical fest)

REFERENCES

Dr. Ho Yub Jung
- **Assistant Professor**, Computer Engineering, Chosun University
- hoyub@chosun.ac.kr

Dr. Muhammad Yeasir Arafat
- **Assistant Professor**, Computer Engineering, Chosun University
- myarafat@chosun.ac.kr

Dr. Muhammad Usman
- **Assistant Professor**, Computer Engineering, Chosun University
- usman@chosun.ac.kr