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RESEARCH INTEREST

Deep Neural Network, Self-supervised processes, Image Processing, Machine Learning, Wireless Networks, Edge Computing, Resource Optimization, and AI Integration in Communication Systems

EMPLOYMENT

Artificial Intelligence Engineer	Banglalink Digital Communications Ltd.	January 2025 - April 2025
- Developed a zero-shot system for audio-to-sentiment analysis classifier. - Worked on the extracting insights for different application and hardware based logs. - Planned for creating time series based projection for resource allocation.		
Machine Learning Engineer	Rokomari.com Ltd.	March 2024 - January 2025
- Developed a Recommendation Engine for the e-commerce site Rokomari.com. - Created AI powered chat bot system to intelligently answer customer queries. - Designed an advertisement panel for targeted advertisements to relevant users.		
Graduate Research Assistant	Computer Vision Lab, Chosun University	April 2021 - February 2023
- Developed and implemented advanced face detection and recognition algorithms. - Designed and developed code for self-supervised image denoising techniques. - Created neural network models for image-to-image conversion. - Troubleshoot and refined results for segmentation-based deep learning methods for co-authored papers.		
Project Engineer	Robi Axiata Ltd.	October 2020 - November 2020
- Enhanced network performance by increasing the allocated bandwidth for base transceivers. - Adhered to regulations while creating or removing beam formations through zonal controllers.		
System Engineer	Grameenphone Ltd.	July 2019 - June 2020
- Conducted 24/7 alarm surveillance of network elements and systems. - Escalated, followed up, and reported alarms until resolved. - Performed stability checks based on system benchmark KPIs. - Provided terminal-based support during planned network activities and ensured successful completion.		

EDUCATION

Chosun University	Gwangju, South Korea	March 2021 - February 2023
M.Sc. in Computer Engineering (CE) Thesis title: Aggregated Multiscale Self-Supervised Denoising Thesis code: GitHub Link Thesis Domain: Image Processing & Machine Learning CGPA: 4.06 out of 4.50 (90.2%) Scholarship: Merit-based scholarship throughout 2 years of M.Sc.		
Khulna University of Engineering & Technology (KUET)	Khulna, Bangladesh	December 2014 - March 2019
B.Sc. 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

- **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.
- **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.

LANGUAGES AND TECHNOLOGIES

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

STANDARDIZED TEST SCORES

- **IELTS (07-Oct-2023):** Overall: 7.5; Listening: 8.5; Reading: 8.0; Writing: 6.5; Speaking: 6.5
- **GRE (12-Oct-2020):** Quantitative: 162; Verbal: 147; Analytical Writing: 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)