

MD. MAKLACHUR RAHMAN

Researcher, Virtual Reality Laboratory (VR Lab)
Kyungpook National University, South Korea
Email: maklachur@gmail.com, Mobile: +82 01098478910
Personal webpage: <https://maklachur.github.io>

Objective

Looking for a Ph.D. position in the field of **Computer Science and Engineering**, focusing on Computer Vision, Machine/Deep Learning, Image and Signal Processing, and Medical Image Segmentation.

Education

M.S. in Computer Science and Engineering (CGPA: **3.98/4.3**) Sep. 2018 – Aug. 2020
Kyungpook National University (KNU), South Korea. [**95.8 %** Marks]

- **Thesis:** “*Siamese Stacked Channel-Spatial Attention Learning for Visual Tracking*”, under the supervision of Dr. Soon Ki Jung, School of Computer Science and Engineering, KNU, South Korea.
- **Award:** “**CSE THESIS AWARD 2020**”, KNU, South Korea.

B.S. in Computer Science and Engineering (CGPA: **3.51/4**) Mar. 2009 – Sep. 2013
Chittagong University of Engineering & Technology (CUET), Bangladesh.

- **Thesis:** “*Digital Watermarking for Image Authentication Based on Combined DCT, DWT and SVD Transformation*”, under the supervision of Dr. Muhammad Ibrahim Khan, Department of Computer Science & Engineering, CUET, Bangladesh.
- **Position:** 7th (out of 58).

Research Interests

- Computer Vision
- Scene Understanding
- Visual Object Tracking
- Medical Image Analysis
- Semantic Segmentation
- Deep Attention Learning

Awards and Scholarships

- CSE THESIS AWARD-2020, KNU, South Korea [Prize Money: 750 USD] Aug. 11, 2020
- Best Student Paper Award, 26th IW-FCV2020, Japan. Feb. 27, 2020
- Brain Korea 21 Plus (BK21) Scholarship. Sep. 2018 – Aug. 2020
- KNU International Graduate Scholarship (KINGS) [Full]. Sep. 2018 – Aug. 2020
- University Merit Scholarship, Department of CSE, CUET. Mar. 2009 – Sep. 2013

Working Experience

Research Experience

- **Researcher**, Virtual Reality Laboratory (VR Lab), KNU, South Korea Sep. 2020 – Present
Lab Site: <https://sites.google.com/view/knuvrlab>
- **Research Assistant**, VR Lab, KNU, South Korea Sep. 2018 – Aug. 2020

Professional Experience

- **Software Engineer**, Software Engineering Lab
Samsung R&D Institute Bangladesh, Ltd. Oct. 2013 – Jul. 2016
- **Industrial Trainee**
Sentinel Solutions Ltd. Nov. 2012 – Dec. 2012

Publications

- [1] **M. M. Rahman**, M. R. Ahmed, L. L., S. H. Kim and S. K. Jung, “*Siamese High-Level Feature Refine Network for Visual Object Tracking*”, MDPI Electronics (SCIE), 2020. [Q2, IF: 2.412] [Revision Under Review]
- [2] **M. M. Rahman**, M. Fiaz and S. K. Jung, "Efficient Visual Tracking With Stacked Channel-Spatial Attention Learning," in IEEE Access, vol. 8, pp. 100857-100869, 2020, doi: 10.1109/ACCESS.2020.2997917. [Q1, IF: 3.745]
- [3] M. Fiaz, **M. M. Rahman**, A. Mahmood, S. S. Farooq, K. Y. Baek and S. K. Jung, “Adaptive Feature Selection Siamese Networks for Visual Tracking”, The 26th International Workshop on Frontiers of Computer Vision (IW-FCV 2020), vol 1212, 2020. [Springer] [**Best Student Paper Award**]
- [4] **M. M. Rahman**, S. K. Jung “Modeling a secure image authentication with a robust hybrid watermarking approach”, The Journal of Korean Institute of Information Scientists and Engineers, Korea Software Congress, pp. 968-970, 2018.
- [5] **M. M. Rahman**, M. S. Ahmmed, M. R. Ahmed, M. N. Izhar “A Semi-Blind Watermarking Technique for Copyright Protection of Image Based on DCT and SVD Domain”, Global Journal of Researches in Engineering, GJRE-F, Vol 16 (7), 2016. [**Citation: 12**]
- [6] **M. M. Rahman**, “A DWT, DCT and SVD Based Watermarking Technique to Protect the Image Piracy”, International Journal of Managing Public Sector Information and Communication Technologies, Vol. 4, No. 2, pp 21-32, 2013. [**Citation: 55**]
- [7] M. I. Khan, **M. M. Rahman** and M. I. H. Sarker, “Digital Watermarking for Image Authentication Based on Combined DCT, DWT and SVD Transformation”, International Journal of Computer Science Issues, Vol. 10 (3), pp. 223-230, 2013. [**Citation: 51**]

References

Dr. Soon Ki Jung

Dean and Professor

PI, Virtual Reality Laboratory (VR Lab)

School of Computer Science and Engineering
Kyungpook National University

Daegu - 41566, South Korea.

Email: skjung@knu.ac.kr

Dr. Md. Iqbal Hasan Sarker

Assistant Professor

Natural Language Processing Lab

Department of Computer Science and Engineering
Chittagong University of Engineering & Technology

Chittagong - 4349, Bangladesh.

Email: iqbal@cuet.ac.bd

