

MD. MAKLACHUR RAHMAN

Researcher, Virtual Reality Laboratory (VR Lab)
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Objective

Looking for a PhD position focusing on Computer Vision, Deep Learning, Visual Object Tracking, Human-Computer Interaction, Activity Recognition, and VR/AR.

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.
- **Award:** CSE Outstanding 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.
- **Position:** 7th (out of 58).

Research Interests

- Visual Object Tracking
- VR/AR
- Human-Computer Interaction
- Human Activity Recognition
- Deep Learning
- Computer Vision

Awards and Scholarships

- CSE Thesis Award-2020, KNU, South Korea 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](#) (V.R. Lab), KNU, South Korea Sep. 2020 – Present
- **Research Assistant**, V.R. Lab, KNU, South Korea Sep. 2018 – Aug 2020

Professional Experience

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

Publications

- [1] L. Laishram, **M. M. Rahman**, and S. K. Jung, “*Challenges and Applications of Face Deepfake*”, The 27th International Workshop on Frontiers of Computer Vision (IW-FCV 2021), South Korea, Springer.
- [2] **M. M. Rahman**, M. R. Ahmed, L. Laishram, S. H. Kim and S. K. Jung, “*Siamese High-Level Feature Refine Network for Visual Object Tracking*”, MDPI Electronics, 2020. [(SCIE) IF: 2.412]
- [3] **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. [(SCIE), IF: 3.745] [**Citation: 06**]
- [4] 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 IW-FCV 2020, vol 1212, 2020, Japan, Springer. [**Best Student Paper Award**] [**Citation: 04**]
- [5] **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, pp. 968-970, 2018.
- [6] **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, USA, GJRE-F. Vol 16 (7), 2016. [**Citation: 13**]
- [7] **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: 57**]
- [8] 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: 54**]

Journal Reviewer

- Neurocomputing (SCI, Q1, I.F.: 5.719)
- Pattern Recognition Letters (SCI, Q1, I.F.: 3.255)

References

Dr. Soon Ki Jung

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