MD MAKLACHUR RAHMAN

PhD Student / Research Assistant, Sketch Recognition Lab (SRL)
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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
- Human-Computer Interaction
- Deep Learning
- Sketch Recognition
- Human Activity Recognition
- 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**, CEST, KNU, South Korea   Sep. 2021 – Dec. 2021
- **Researcher**, Virtual Reality Laboratory (V.R. Lab), KNU   Sep. 2020 – Aug. 2021
- **Research Assistant**, V.R. Lab, KNU, South Korea   Sep. 2018 – Aug. 2020

Industry 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] **M. M. Rahman** and S. K. Jung, "Siamese-Based Attention Learning Networks for Robust Visual Object Tracking", IntechOpen, Book chapter, DOI: 10.5772/intechopen.101698, 2022.

[2] 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.

[3] **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] [**Citation: 05**]

[4] **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: 10**]

[5] 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: 06**]

[6] **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.

[7] **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: 16**]

[8] **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: 58**]

[9] 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: 56**]

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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Dr. Tracy Hammond
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