MD. MAKLACHUR RAHMAN
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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

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