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Rakshith Shetty

Education

- 2017–2020 **Ph.D student**, *Max Planck Institute for Informatics*, Saarbrücken.
Expected Supervisors: Prof. Dr. Bernt Schiele and Dr. Mario Fritz
- 2014–2016 **Master of Science**, *Aalto University*, Helsinki, Finland.
Major : Machine Learning and Data Mining. (CGPA: 4.84 / 5.0)
Thesis : Natural Language description of Images and Videos (Grade: 5.0/5.0)
- 2007–2011 **Bachelor of Engineering**, *Visvesvaraya Technological University*, Bangalore, India.
Major : Electronics and Communication Engineering. (CGPA: 9.04 / 10.0)

Selected Conference Publications

- 2019 **R. Shetty**, B. Schiele, and M. Fritz, “Not using the car to see the sidewalk: Quantifying and controlling the effects of context in classification and segmentation,” in *CVPR*.
- 2018 **R. Shetty**, M. Fritz, and B. Schiele, “Adversarial scene editing: Automatic object removal from weak supervision,” in *NeurIPS*.
- R. Shetty**, B. Schiele, and M. Fritz, “ A^4NT : Author attribute anonymity by adversarial training of neural machine translation,” in *USENIX Security '18 (top conference in privacy/security research)*.
- 2017 **R. Shetty**, M. Rohrbach, L. A. Hendricks, M. Fritz, and B. Schiele, “Speaking the same language: Matching machine to human captions by adversarial training,” in *ICCV*.
- H. R. Tavakoli, **R. Shetty**, A. Borji, and J. Laaksonen, “Paying attention to descriptions generated by image captioning models,” in *ICCV*.
- 2013 **R. Shetty** and P. Sethuraman, “Ofdm radio based range and direction sensor for robotics applications,” in *IEEE RAICS*.

Selected Workshop Publications

- 2018 M. Wagner, H. Basevi, **R. Shetty**, W. Li, M. Malinowski, M. Fritz, and A. Leonardis, “Answering visual what-if questions: From actions to predicted scene descriptions,” in *VLEASE Workshop, ECCV*.
- 2016 **R. Shetty** and J. Laaksonen, “Frame- and segment-level features and candidate pool evaluation for video caption generation,” in *ACMMM Multimedia Grand Challenge Solutions Workshop*.

- 2015 **R. Shetty** and J. Laaksonen, "Video captioning with recurrent networks based on frame-and video-level features and visual content classification," in *LSMDC Workshop, ICCV*.

Achievements and Honors

- Jun. 2018 **Qualcomm Innovation Fellowship Europe 2018** .
- Jun. 2018 **Master's Thesis Award 2016-2017**.
Finnish Society for Computer Science
- Jul. 2017 **Master's Thesis award 2016**.
Aalto University School of Science
- Dec. 2016 **Excellent Master's Thesis award**.
Media Industry Research Foundation of Finland
- Jun. 2016 **Joint Winner of the Microsoft Video to Language Challenge**.
Held as part of ACMMM Multimedia Grand Challenge 2016, the Microsoft Video to Language Challenge involved generating textual descriptions of video clips extracted from web videos.
- Dec. 2015 **Winner of the Large Scale Movie Description Challenge**.
Held as part of ICCV 2015, the Large Scale Movie Description Challenge required participants to generate short descriptions for movie clips.
- Dec. 2013 **Best Paper Award, IEEE RAICS**.
To our paper "OFDM Radio based Range and Direction Sensor for Robotics Applications"

Work Experience

- 2014–2016 **Research Assistant**, *Aalto University*, Helsinki.
- 2011–2014 **Systems Design Engineer**, *Broadcom India Research Ltd.*, Bangalore.

Academic Activities

- 2018–Present **Official Reviewer**, *ICML 2020, CVPR 2020, AAAI 2020, NeurIPS 2019, ICCV 2019, CVPR 2018*.

Teaching Assistantship

- High Level Computer Vision, Saarland University, 2017-2019
- Machine Learning: Basic Principles, Aalto University, 2015
- Digital Signal Processing, PES Institute of Technology, 2010