

Fida Mohammad Thoker

Cornelis Lelylaan 3-H35,
1062 HD, Amsterdam, Netherlands
☎ (+31) 614866617

🌐 <https://fmthoker.github.io>
✉ fmthoker@gmail.com
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RESEARCH INTEREST

Computer Vision: Self Supervised Learning from Videos, Multi-modal video understanding, Action Recognition

EDUCATION

Ph.D. in Computer Science (Computer Vision) June. 2019 – Present
[University of Amsterdam](#), Netherlands

Supervisor: [Prof. Cees G.M. Snoek](#)

Research Topic: Data Efficient Action Recognition

M. Sc in Computer Science (Computer Vision) Oct. 2016 – Feb 2019
[University of Bonn](#), Germany

Supervisor: [Prof. Juergen Gall](#)

Research Topic: Cross-Modality Knowledge Transfer for Action Recognition

Bachelor's in Computer science and Engineering July. 2010 – July. 2014
[National Institute of Technology \(NIT\)](#), Srinagar, India

Final Project: Augmented Reality App for mapping location based attractions onto the phone camera.

Publications

- [1] **F.M. Thoker**, Hazel Doughty, Cees G.M. Snoek. Tubelet-Contrastive Self-Supervision for Video-Efficient Generalization, Under Review. 
- [2] **F.M. Thoker**, Hazel Doughty, Piyush Bagad, Cees G.M. Snoek. How Severe is Benchmark-Sensitivity in Video Self-Supervised Learning? ECCV (2022). 
- [3] **F.M. Thoker**, Hazel Doughty, Cees G.M. Snoek. Skeleton-Contrastive 3D Action Representation Learning. ACM Multimedia (2021). 
- [4] **F.M. Thoker**, Cees G.M. Snoek. Feature-Supervised Action Modality Transfer. ICPR (2020). 
- [5] **F.M. Thoker**, J. Gall. CROSS-MODAL KNOWLEDGE DISTILLATION FOR ACTION RECOGNITION. ICIAP (2019). 

WORK EXPERIENCE

Teaching Assistant Oct. 2017. – Feb-2019
[Institute of Computer Science II](#), University of Bonn, Germany

- Lectures: Deep Learning for Visual Recognition, Technical Neural Networks

Computer Vision Research Assistant April 2018. – Sep. 2018
[Visual Computing Group](#), University of Bonn, Germany

- Foreground Background Video Segmentation, Semantic Segmentation, Anomaly Detection.

Software Developer Oct. 2014 – Jul. 2016
[Aricent Technologies](#), Gurgaon, India

- Worked with [Cisco systems India](#) for developing protocols for Optical Transport Networks (OTN).
- C and C++ programming to implement low level APIs for Cisco IOS and OTN hardware.

Programming Skills

- **Languages:** Python, C, C++
- **Deep learning Frameworks:** Pytorch, Tensorflow