

Sharath Girish

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EDUCATION

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|---|---|
| University of Maryland, College Park PhD. in Computer Science Advisor: Prof. Abhinav Shrivastava | August 2019 - Present GPA: 4.0/4.0 |
| Indian Institute of Technology Madras, India B.Tech. in Electrical Engineering | August 2015 - May 2019 GPA: 9.04/10 |

PUBLICATIONS

The Lottery Ticket Hypothesis for Object Recognition

*Sharath Girish**, Shishira R Maiya*, Kamal Gupta, Hao Chen, Larry Davis, Abhinav Shrivastava
To appear in *IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2021*, [arXiv:2012.04643](https://arxiv.org/abs/2012.04643)

Towards Discovery and Attribution of Open-world GAN Generated Images

*Sharath Girish**, Saksham Suri*, Saketh Rambhatla, Abhinav Shrivastava
Under review

A Unified Learning-Based Framework for Light Field Reconstruction From Coded Projections

Anil Kumar Vadathya, *Sharath Girish*, Kaushik Mitra
IEEE Transactions on Computational Imaging (TCI), 2019

Unconstrained Motion Deblurring for Dual-lens Cameras

Mahesh Mohan MR, *Sharath Girish*, AN Rajagopalan
Proceedings of the IEEE International Conference on Computer Vision (ICCV), 2019 (Oral)

A Deep Learning Framework for Light Field Reconstruction From Focus-Defocus Pair:

A minimal hardware approach

Anil Kumar Vadathya, *Sharath Girish*, Kaushik Mitra
Computational Cameras and Displays Workshop, CVPRW 2018

PROFESSIONAL EXPERIENCE

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| Graduate Research Assistant, University of Maryland Mentor - <i>Prof. Abhinav Shrivastava</i> Working on Open World Image Attribution and Model Compression for Object Recognition | May 2020 - Present |
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Graduate Research Assistant, University of Maryland

August 2019 - May 2020

Mentor - *Prof. Rama Chellappa*
Worked on Activity Recognition by splitting models based on input video modalities or output activity types to improve performance.

PHD COURSEWORK

Algorithms in Machine Learning : Guarantees and Analyses, Deep Learning, Advanced Numerical Optimization, Statistical Pattern Recognition, Advanced Techniques in Visual Learning and Recognition

ACHIEVEMENTS

- **Dean's Fellowship** awarded by the University of Maryland, 2019
- **All India Rank - 274** in JEE-Advanced 2015, taken by 1.3 million students (top 0.02%)
- Awarded **KVPY** scholarship in 2014 and the **NTSE** scholarship in 2013 by Government of India

TECHNICAL SKILLS

Languages: Python, C/C++

Deep Learning Frameworks: PyTorch, TensorFlow, Caffe