

Sharath Girish

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EDUCATION

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

Graduate Research Assistant, University of Maryland

Mentor - Prof. Abhinav Shrivastava

Working on Open World Image Attribution and Model Compression for Object Recognition

May 2020 - Present

Graduate Research Assistant, University of Maryland

Mentor - Prof. Rama Chellappa

Worked on Activity Recognition by splitting models based on input video modalities or output activity types to improve performance.

August 2019 - May 2020

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