

# Priyatham Kattakinda

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## Research Interests

Multimodal Learning, Domain Generalization, Distributional Robustness

## Education

2020– **PhD in Electrical and Computer Engineering**,  
*University of Maryland*, College Park, MD, 4.0/4.0.  
Advisor: Prof. Soheil Feizi

2018–2020 **M.Tech in Electrical Engineering**,  
*Indian Institute of Technology*, Madras, 9.81/10.  
Advisor: Prof. A N Rajagopalan  
Thesis: Unpaired Image Denoising

2012–2016 **B.Tech in Electrical Engineering**,  
*Indian Institute of Technology*, Bombay, 8.43/10.

## Publications

- **Priyatham Kattakinda** and Soheil Feizi. FOCUS: Familiar Objects in Common and Uncommon Settings. *Proceedings of the 39th International Conference on Machine Learning*, PMLR 162:10825-10847, 2022
- **Priyatham Kattakinda** and AN Rajagopalan. Unpaired Image Denoising. In *2020 IEEE International Conference on Image Processing (ICIP)*, pages 1073–1077. IEEE, 2020.

## Experience

2019 **Summer Research Intern**, KLA, Chennai, India.

- Modified existing GAN-based super-resolution methods to work on SEM images and demonstrated significant improvement for downstream tasks.
- Presented the results to senior level executives at KLA.

2016–2018 **Co-founder**, Tessact, Mumbai, India.

- Developed fully automated, Deep Learning based solutions for scalable and accurate video annotation

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- o Marketed our software to several major Indian media corporations.

## Awards and Achievements

- 2020–2021 **Dean’s Fellowship**, *University of Maryland*.  
Cash prize of \$5000 awarded to outstanding graduate assistants.
- 2020 **Siemens Prize**, *IIT Madras*.  
Awarded to the M. Tech student with the best academic record in Electrical Engineering.
- 2020 **Prof. M K Achuthan Prize**, *IIT Madras*.  
Awarded to the M. Tech student with the best academic record in the first year in Electrical Engineering.
- 2012 **All India Rank 80**, *IIT-JEE*.  
Top 0.02% out of 470 000 total candidates in the Joint Entrance Examination conducted by the IITs.

## Teaching

- 2021 **Teaching Assistant**, *University of Maryland*.  
ENEE324: Engineering Probability (F ’21)  
ENEE440: Microprocessors (S ’21)
- 2019–2020 **Teaching Assistant**, *IIT Madras*.  
EE5175: Image Signal Processing (S ’20)  
EE6133: Multirate Digital Signal Processing (F ’19)  
EE3110: Probability Foundations for Electrical Engineers (S ’19)

## Leadership

- 2021 **Co-Mentor**, *REU-CAAR*,  
Dept. of Computer Science, University of Maryland.  
Guided a cohort of undergraduate students through a Summer of deep learning research. Co-mentored with Prof. Soheil Feizi.
- 2021 **International Orientation Leader**, *ISSS*,  
University of Maryland.  
Developed material and lead several orientation sessions intended for incoming international students to help them transition into their academic programs.

## Volunteering

- 2022 **Reviewer**, *NeurIPS*.