

Education

University of Maryland PhD in Electrical and Computer Engineering	Expected 2025 College Park, MD
Indian Institute of Technology, Madras M.Tech in Electrical Engineering, CGPA: 9.81/10	June 2020 Chennai, India
Indian Institute of Technology, Bombay B.Tech in Electrical Engineering, CPI: 8.43/10	April 2016 Mumbai, India

Skills

Programming Languages: Python, MATLAB, JavaScript, C++

Software Libraries: PyTorch, NumPy, TensorFlow, OpenCV

Relevant Coursework

- Random Processes
 - Advanced Digital Signal Processing
 - Image Signal Processing
 - Linear Algebra
 - Deep Learning
 - Reinforcement Learning
 - Convex Optimization
 - Information Theory
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Publications

Unpaired Image Denoising

Priyatham Kattakinda, A.N. Rajagopalan

IEEE International Conference on Image Processing (ICIP), UAE (Virtual), October 2020

Research Experience

Indian Institute of Technology Madras

August 2019 - May 2020

Master's Thesis

Chennai, India

- Investigated a wide range of techniques for image denoising.
- Developed a novel semi-supervised method for denoising images, using Flow-based generative models.
- Published our work in IEEE International Conference on Image Processing (ICIP).

KLA

May 2019 - July 2019

Summer Research Intern

Chennai, India

- Reviewed various algorithms for image super-resolution.
 - 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.
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Work Experience

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May 2016 - May 2018

Co-Founder

Mumbai, India

- Conducted extensive research on the inner workings of the media industry in India.
 - Developed fully automated, Deep Learning based solutions for scalable and accurate video annotation.
 - Marketed our software to several major Indian media corporations.
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Awards

Siemens Prize

September 2020

- Awarded to the M. Tech student with the best academic record in Electrical Engineering at IIT Madras.

Prof. M K Achuthan Prize

April 2020

- Awarded to the M. Tech student with the best academic record in the first year in Electrical Engineering at IIT Madras.

All India Rank 80 in IIT-JEE

June 2012

- Secured 80th rank (~ 470 000 total candidates, 99.98th percentile) in the Joint Entrance Examination conducted by the IITs in 2012.
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