Salman Siddique Khan

Contact Information

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Research Interest

My field of research is Computational Imaging which incorporates designing new imaging systems and computational techniques that extend the capabilities of conventional cameras. In particular, I am interested in developing algorithms based on Optics, Signal Processing and Machine Learning that make these computational imaging systems work.

Education

2018-Present	Ph.D.,**Indian Institute of Technology Madras**, India
	Department: Electrical Engineering
	Advisor: Prof. Kaushik Mitra
2014-2018	BTech(Honors), **National Institute of Technology Rourkela**, India
	Department: Electronics and Instrumentation Engineering

Research Experience

May-Nov 2019	Research Associate at RICE UNIVERSITY, Houston, Texas, USA
	Worked on design of privacy preserving cameras using learning based techniques
Summer 2017	Summer Intern at INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY, Trivandrum, India
	Developed active learning based image classification and object detection algorithms.
Summer 2016	Summer Intern at INDIAN STATISTICAL INSTITUTE, Kolkata, India
	Worked on segmentation of histopathological images

Publications

- **Towards Photorealistic Reconstruction of Highly Multiplexed Lensless Images**, ICCV 2019, Seoul, Korea. **(Oral)**

Teaching Experience

- Teaching Assistant   **EE 5176 Computational Photography,** IIT Madras   Spring 2019
- Teaching Assistant   **EE 1101 Signals and Systems,** IIT Madras   Spring 2020

Professional Service

Reviewer (Journal)

- OSA Optics Express
- OSA Continuum

Achievements

- Awarded Google Travel Grant to attend ICCV 2019 at Seoul, South Korea.
- National Finalist in NIYANTRA 2017 Annual Student Design Contest
- National Finalist in e-Yantra 2016 Robotics Challenge

Computational Skills

Softwares:	NI Multisim, NI LabView.
Libraries:	PyTorch, TensorFlow
Languages:	Python, MATLAB, C, C++, Verilog HDL

Workshops Attended

- 3rd Summer School on Computer Vision held at IIIT Hyderabad from July 2 to July 7 2018
- 3rd Summer School on Computer Vision, Graphics and Image Processing held at ECSU, ISI Kolkata from June 1 to July 15 2016