

# Salman Siddique Khan

## CONTACT INFORMATION

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## RESEARCH INTEREST

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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

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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

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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

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

## TEACHING EXPERIENCE

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- Teaching Assistant EE 5176 Computational Photography, IIT Madras Spring 2019

## ACHIEVEMENTS

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- 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

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

## WORKSHOPS ATTENDED

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- 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