Suhas Anand Lohit

slohit@asu.edu • LinkedIn • Google Scholar

SUMMARY

Ph.D. Candidate with 5 years of research experience, and top-tier publications in computer vision, deep learning and computational imaging.

EDUCATION

Doctor of Philosophy (Ph.D.) in Electrical Engineering — (Expected) Sep 2019
Arizona State University, Tempe, USA — CGPA: 4.0 / 4.0
• Advisor: Dr. Pavan Turaga

Master of Science in (M.S.) in Computer Engineering — May 2015
Arizona State University, Tempe, USA — CGPA: 4.0 / 4.0
• Thesis: Reconstruction-free Inference from Compressive Measurements
Advisor: Dr. Pavan Turaga

Bachelor of Engineering (B.E.) in Electronics and Communication — May 2013
SJCE, Mysore, India — CGPA: 9.67 / 10.00

WORK EXPERIENCE

► **Graduate Research Assistant** — Aug 2015 – Present
Arizona State University, Tempe, AZ, USA
Advisor: Dr. Pavan Turaga

► **Research Intern** — May 2018 – Aug 2018
Mitsubishi Electric Research Laboratories, Cambridge, MA, USA
Supervisors: Dr. Dehong Liu, Dr. Hassan Mansour, Dr. Petros Boufounos

► **Student Associate** — May 2017 – Aug 2017
Stanford Research Institute (SRI) International
Supervisors: Dr. Karan Sikka, Dr. Ajay Divakaran

► **Video Analytics Intern** — May 2016 – Aug 2016
Nvidia Corporation, Santa Clara, CA, USA
Supervisors: Dr. Anil Ubale, Dr. Partha Sriram, Dr. Farzin Aghdasi

► **Summer Research Fellow** — May 2012 – Aug 2012
Indian Statistical Institute, Kolkata, India
Supervisor: Dr. Malay Kundu

PUBLICATIONS

11) Suhas Lohit, Qiao Wang, Pavan Turaga, "Temporal Transformer Networks: Joint Learning of Invariant and Discriminative Time Warping," *CVPR 2019*.
10) Suhas Lohit, Dehong Liu, Hassan Mansour, Petros Boufounos, "Unrolled Projected Gradient Descent for Multi-Spectral Image Fusion," *ICASSP 2019*.
9) Suhas Lohit, Rajhans Singh, Kuldeep Kulkarni, Pavan Turaga, "Learning Super-Operators for Rate-Independent Compressive Imaging," *Under review in IEEE Transactions on Computational Imaging*.
8) Suhas Lohit, Rajhans Singh, Kuldeep Kulkarni, Pavan Turaga, "Rank-Regularized Measurement Operators Compressive Imaging," *Under review in Asilomar 2019*.
7) Li-Chi Huang, Anik Jha, Kuldeep Kulkarni, Suhas Lohit, Suren Jayasuriya, Pavan Turaga "Compressive Visual Question Answering," *IEEE ICIP 2018*.
5) Suhas Lohit, Kuldeep Kulkarni, Pavan Turaga, Ronan Kerviche and Amit Ashok, "Convolutional Neural Networks for Reconstruction of Compressively Sensed Images," *Transactions on Computational Imaging 2018*
6) Suhas Lohit, Pavan Turaga, "Learning Invariant Riemannian Geometric Representations Using Deep Nets," *ICCV Workshop on Manifold Learning: From Euclid to Riemann, 2017*.
4) Suhas Lohit, Kuldeep Kulkarni, Pavan Turaga, "Direct Inference on Compressive Measurements using Convolutional Neural Networks," *IEEE ICIP 2016*.
3) Kuldeep Kulkarni, Suhas Lohit, Pavan Turaga, Ronan Kerviche and Amit Ashok, "ReconNet: Non-Iterative Reconstruction of Compressive Images Using Convolutional Neural Networks," *IEEE CVPR 2016*.
2) Suhas Lohit, Kuldeep Kulkarni, Pavan Turaga, Jian Wang and Aswin Sankaranarayanan, "Reconstruction-free Inference on Compressive Measurements," *IEEE CVPR Workshops, 2015*. (**Best Paper Award**)
1) Qiao Wang, Suhas Lohit, Meynard Toledo, Matthew Buman and Pavan Turaga, "A statistical estimation framework for energy expenditure of physical activities from a wrist-worn accelerometer," *IEEE EMBC 2016*.

RELEVANT COURSEWORK

Computer Vision, Pattern Recognition and Machine Learning, Optimization, Neural Networks, Digital Image Processing, Computer Architecture, Information Theory.

SKILLS

Programming Languages: Python, C/C++ and MATLAB
Software Libraries: Tensorflow, Caffe, Pytorch and OpenCV

ACADEMIC HONORS & AWARDS

- **University Graduate Fellowship**, Aug 2015 - May 2016, Arizona State University
- **Best Paper Award**, CVPR Workshop on Computational Cameras and Displays, 2015
- **Summer Research Fellowship** awarded by the Indian Academy of Science, 2012

REFERENCES

Dr. Pavan Turaga
Associate Professor
Arts, Media and Engineering
Electrical, Computer, and Energy Engineering
Arizona State University
pturaga@asu.edu

Dr. Ajay Divakaran
Technical Director, Vision and Learning Laboratory
Center for Vision Technologies
SRI International
ajay.divakaran@sri.com

Dr. Partha Sriram
Chief Systems Software Architect
V.P. of Systems Software Engineering
NVIDIA Corporation
psriram@nvidia.com