Srikanth Muralidharan

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Education

PhD Candidate in Computing Science, Simon Fraser University, Burnaby BC, 2016-Present

M.Sc in Computing Science, Simon Fraser University, Burnaby BC, 2016

B.Tech in Electrical Engineering, Indian Institute of Technology Jodhpur, India, 2014

Experience

Research Assistant VML lab, Simon Fraser University, Burnaby BC 2014-Present
Supervisor: Dr.Greg Mori
Research focus on deep learning models for human activity recognition, event captioning and network compression.

Research Intern Borealis AI, Vancouver BC September 2018-Present

Research Intern Oracle Labs, Vancouver BC May-November 2016
Worked on building deep learning models for network security systems.

Mitacs Intern Sportlogiq Inc, Montreal QC January-June 2015
Worked on building deep learning models for human activity recognition.

Scholarships

SFU Graduate Fellowship 2015, 2017
SFU CMPT Graduate Fellowship 2017, 2018

Publications

1. F Tung, **S Muralidharan**, and G Mori. Fine-Pruning: Joint Fine-Tuning and Compression of a Convolutional Network with Bayesian Optimization, British Machine Vision Conference (BMVC) 2017.
2. M Khodabandeh, **S Muralidharan**, A Vahdat, N Mehrasa, E M Pereira, S Satoh, G Mori. Unsupervised learning of supervoxel embeddings for video Segmentation, International Conference on Pattern Recognition (ICPR) 2016.
3. M Ibrahim*, **S Muralidharan***, Z Deng, A Vahdat, G Mori. A hierarchical deep temporal model for group activity recognition, IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2016.
4. Z Deng, M Zhai, L Chen, Y Liu, **S Muralidharan**, M J Roshtkhari, G Mori. Deep structured models for group activity recognition, British Machine Vision Conference (BMVC) 2015.
5. **S Muralidharan**, AB Vasudevan, CS Pratheek, S Raman. A novel approach to the extraction of multiple salient objects in an image, IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES) 2015.

6. A B Vasudevan, **S Muralidharan**, S P Chintapalli, S Raman. Motion characterization of a dynamic scene, International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP) 2014.
7. A B Vasudevan, **S Muralidharan**, S P Chintapalli, S Raman. Dynamic scene classification using spatial and temporal cues, IEEE International Conference on Computer Vision (ICCV) 2013 Workshops.

Other Projects

1. S.Muralidharan, F.Tung, G.Mori. PlacesQA: Towards Automatic Answering of Questions on the Web. 2018.
2. S.Muralidharan, F.Tung, G.Mori. Memory Augmented Recurrent Neural Networks for Dense Video Captioning. 2019.

Service **Reviewer** BMVC 2017-18, WACV 2016-18, ICCV 2017, ACCV 2018

Programming Python, Spark, SQL, Tableau, Amazon Redshift, Pytorch, Tensorflow, MATLAB, C++