Srikrishna Chaitanya **Kompella**

Grad student at UMass Amherst seeking internship for Summer 2017

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Interests

Deep Learning, Reinforcement learning, Language Technologies, Vision

Education

University of Massachusetts Amherst - Amherst, MA *GPA: –*

Master of Science in Computer Science *Aug. 2016 - Present*

- Courses (Fall 2016): Advanced Machine Learning, Natural Language Processing

PES Institute of Technology - Bangalore, India *GPA:3.67*

Bachelor of Engineering in Computer and Information Sciences *Aug. 2009 - June 2013*

- Electives: Pattern Recognition, Digital Image Processing, Data Mining

Experience

Nvidia Corp. *Bangalore, India*

Tech Lead - Virtualization *Jul. 2013 - Jul. 2016*

- Responsible for delivering test strategies, and related automation tools for validating Nvidia's hypervisor technology deployed in autonomous vehicles, clusters and IVI system
- Developed multiple tools in Bash, Python and C
- Developed test strategies for multiple components of the SoC including CPU, GPU, UART, I2C, CAN and many more
- Contributed to defining and implementing Automotive safety and quality policies
- **Achievement: Fastest promotion (in one year from joining as New College Grad) and youngest Lead in my Business unit**

Programming

Languages Python, C, C++, Bash, HTML

Tools OpenCV, NLTK, NumPy, SciPy, scikit-learn, Theano, OpenAI Gym

Operating Systems Linux, MacOS

Projects

Domain adaptation for event detection using Deep-Adversarial Neural Networks *Ongoing*

Deep Learning, Natural Language Processing, Domain Adaptation *Python*

Domain adaptation for image classification using Deep-Adversarial NNs *Ongoing*

Deep Learning, Vision, Domain Adaptation *Python*

Question-Answering using Memory Networks *Ongoing*

Deep Learning, Natural Language Processing *Python, Theano*

Deep Q-Learning to play Atari games *Oct 2016 - Nov 2016*

Deep Reinforcement Learning *Python, OpenAI Gym*

Analyzing faculty collaboration using Spectral Clustering *Sept 2016*

Unsupervised Learning, Spectral Methods *Python*

Label Propagation *Sept 2016*

Semi-supervised Learning *Python*

Unattended baggage and loitering people detection *Dec 2012 - Mar 2013*

Vision *C++, OpenCV*