

Graduate Teaching Assistant Graduate Teaching Assistant Graduate Teaching Assistant -
University of Texas at Dallas Richardson, TX Authorized to work in the US for any employer Work
Experience Graduate Teaching Assistant University of Texas at Dallas - Richardson, TX August
2016 to Present Design and Analysis of Algorithms - Fall 2017 Machine Learning (includes Deep
Learning) - Summer 2017, Fall 2016 Computer Vision (includes CNNs) - Spring 2017 Lecturer (Python and Ruby) CS Outreach Program - University of Texas at Dallas - Richardson, TX June
2014 to August 2014 DevOps Engineer Media.net - Mumbai, Maharashtra July 2012 to November
2013 Developed server monitoring software for network and systems operations teams. Designed
and implemented configuration management code-base written in Puppet, for AWS and collocated
server infrastructure. Code Student Developer Google Summer June 2011 to August 2011
Education PhD in Computer Science University of Texas at Dallas - Richardson, TX December 2018
Master of Science in Computer Science University of Texas at Dallas - Richardson, TX May 2016
Skills C+ (Less than 1 year), Python (4 years), Java (3 years), Data Mining (1 year) Links
<https://swairshah.github.io> Publications Computing Robust Principal Components by A* Search
<https://swairshah.github.io/papers/ictai17.pdf> 2017-11 Application of heuristic search on outlier
detection for PCA. Cleaning the Null Space: A Privacy Mechanism for Predictors
<https://aaai.org/ocs/index.php/AAAI/AAAI17/paper/view/14971> 2017-02 How do you clean a
dataset so that you prevent the inference/prediction of certain labels while not affecting the
prediction of some other labels? - This is a nice practical application of the Generalized Eigenvalue
problem. Published at AAAI 2017. Additional Information Professional and Technical Skills
Fluency: Python Proficiency: Java, Matlab Familiarity: R, C++ Machine Learning and Data
Science Frameworks/Libraries: Numpy, Scikits-learn, Tensorflow Relevant Online Coursework
Deep Learning Specialization - Coursera (Ongoing) Machine Learning - Coursera Computing for
Data Analysis - Coursera

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