

Ganga Reddy Tankasala

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Education

The Ohio State University, Columbus	Aug 2014 - May 2016
Master of Science in Computer Science and Engineering	GPA 3.75 / 4.0
National Institute of Technology Warangal, India	July 2007 - May-2011
Bachelor of Technology in Electrical Engineering	GPA 8.44 / 10.0

Experience

Data Science Inc, California, USA	June 2016 - Sep 2016
Position: <i>DS12 Resident</i>	

Received accelerated training in functional programming with Scala, Spark, machine learning models and methods through lectures and labs, as one of the 9 residents to attend the elite intensive Data Science Residency program.

Los Angeles Waze Traffic Alert Model

Implemented Los Angeles traffic alert model from waze data in spark eco system using ising models.

Amazon, Seattle, USA	May 2015 - Aug 2015
Position: <i>SDE Intern with FBA</i>	
Developed Seller specific internal service tools for team Fulfilment By Amazon (FBA).	

ABB, Mumbai, India	June 2011 - July 2014
Position: <i>Research and Development Engineer</i>	

Responsibilities: Algorithm and software development for Condition monitoring of Motors and Generators, implementation of proprietary research concepts and patented technologies in our stack.

ABB - MACHsense-R/P	June 2012 - July 2014
Developed algorithms for online/offline diagnostics and condition monitoring service for Industrial machines, which was awarded best Innovation (service) by ABB group.	

ABB - Data Driven models	June 2013 - July 2014
Implemented data driven models using machine learning algorithms on multi -sensor data collected in controlled and noncontrolled environments for fault diagnosis.	

Solar Semiconductor , Hyderabad, India	May 2010 - July 2010
Position: <i>Intern</i>	
Implemented a system design of Bill Of Materials required for power transfer from solar plant to to the local grid	

Skills

Frameworks	Hadoop, Spark, caffe , MPI, CUDA
Languages and scripts	Scala, Java, Python, C++,C, Matlab and Shell Scripting
Operating Systems	Proficient in Linux and Windows
Databases	Mysql, sqlite3,Hive, Mssql,Hbase,
Tools	Confluence, Atlassian, Android Studio, Git, Wireshark, Rapidminer
Legal	Patents and Trade Secret Management

Publications

- Artificial Bee Colony Optimisation for Economic Load Dispatch of Modern Power system
- Optimal Placement of Phasor Measurement Units for State Estimation using Artificial Intelligence Techniques

Academic Projects

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| • Implementation of Deep Learning algorithms using MPI and CUDA | Jan 2016 - July 2016 |
| • Implementation of Multi Paxos Consensus for Distributed Systems | Jan 2016 - May 2016 |
| • Implementation of Influence and Passivity of a Multilayer network | Jan 2016 - May 2016 |
| • Demonstration of security loopholes in 4G Cellular networks | Aug 2015 - Dec 2015 |
| • Implementation of TCP-like reliable transport layer protocol using the unreliable service provided by UDP | Jan 2015 - May 2015 |
| • Bayesian NonParametric models in Machine Learning 2015 | Jan 2015 - May |
| • Tracking and Recognition of Hand Gestures in Real Time for HCI | Aug 2014 - Dec 2014 |

Extracurriculars

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| • Udacity nanodegrees in Deep Learning, HPC | Jan 2016 - Feb 2016 |
| • Coursera Certification for Machine Learning, Hadoop and Big Data | June 2014 - Feb 2016 |
| • Deep Learning experience using Theano and caffe frameworks | Jan 2015 - July 2016 |
| • Kaggle Challenge: Click Through Rate prediction using SGD | Aug 2014 - Dec 2014 |

Extra Curricular

Joint secretary of Electrical Engineering Association, NITW from 2009-to-11
Executive member of Institution of Engineers, India 20010-2011

Academic Accolades

All India Rank of 52 in Graduate Aptitude Test in Engineering (2011) – 99.9 percentile score
All India Rank of 327 in National Science Olympiad (2007) – 99.8 percentile score
All India Rank of 3229, 4820 in All India Engineering Entrance Examination and Joint Entrance Exam (2007) which corresponds to 99.9 percentile score