**Venkatesh Poosarla**

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**EDUCATION**

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| **The University of Texas at Dallas** | **Richardson, TX** |
| Master of Computer Science, Data Science | Aug-2014-Dec 2015(expected) |
| **GPA: 3.72/4** |  |

**Relevant Coursework**

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| * Design and Analysis of Algorithms | * Cloud Computing |
| * Big Data Management and Analytics | * Machine Learning |

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| **Indian Institute of Technology Madras**  Dual Degree (B.Tech and M.Tech) | **Chennai, TN, India**  (2006-2011) |

**PROJECTS**

**BigData Projects**

* Implemented Hadoop Map-Reduce jobs on multi node HDFS for calculating analytics on sample Yelp data. The implementations included count by grouping, Join operations on map side and reduce side and listing the top 10 items in the dataset

**Machine learning Projects**

* Implemented a collaborative filtering algorithm on movie rating data which is used in predicting the movie interests of a user.
* Implemented Decision tree and mail spam filter in java as a part of machine learning course work.
* Worked on Weka, for generating accurate models for testing predictions.  Generated models in neural network and implemented bagging and boosting techniques.

**Data Base systems Projects**

* Designed and developed a web-based application for an online oil retail company in Spring MVC based on REST architecture

**TECHNICAL SKILLS**

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| **Programming languages:** | Java, C, C++ |
| **Scripting languages:** | Python, Shell, Matlab, JavaScript , R , Apache Pig,Hive |
| **Frameworks:** | Ruby on Rails, Scrapy, Oozie, Spring MVC, Hadoop-Map reduce |
| **Databases:** | MySQL, Cassandra, MongoDB, SQLite, Redis |

**EXPERIENCE**

**Obelisk Solutions Bangalore, India**

***Software Engineer***  Mar 2014 - Aug 2014

* Developed web crawlers for extracting data from play store and app store using Scrapy, a Python framework
* Supported on integrating multiple APIs in Ruby on Rails that connect web apps like Facebook with Dropbox to easily move user data and automate tedious tasks

**Fission Computer Labs Hyderabad, India**

***Software Engineer***  Jan 2013 - Sep 2013

* Built a Java framework for collecting data from various Ad networks and processing it
* Integrated a job orchestrator which schedules and automates the entire system using Oozie framework, a Hadoop technology

**Polaris Financial Technology Ltd Chennai, India**

***Consultant*** Aug 2011 - Aug 2012

* Implemented various numerical techniques (Bisection method, Newton-Raphson method, etc.) for solving bond values, short term interest rate extrapolation for swaps