SANDEEP LAGISETTY

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EDUCATION

Northeastern University, Boston, MA
College of Computer and Information Science GPA: 3.83/4.0
Candidate for a Master of Science in Computer Science Expected graduation: Dec. 2016
Related Courses: Algorithms, Data Mining, Information Retrieval, DBMS, Information Theory

Osmania University, Hyderabad, India GPA: 3.70/4.0
Bachelor of Engineering in Computer Science & Engineering May 2014
Related Courses: Introduction to Data Mining, Algorithms, Data Structures, OOP, Distributed Systems.

TECHNICAL SKILLS

Languages:	Python, Matlab, R, Octave, C, C++, Java, XML, XPath, XQuery, Ruby
Web Technologies:	JQuery, HTML5, CSS3, Java Script, ASP.NET
Database:	MySQL, SQL Server
Software:	WEKA, Informatica Power Center (ETL Tool), SAS Analytics, Eclipse, Visual Studio
Version Control:	GitHub, SVN
Certification:	Machine Learning (Stanford – Coursera), Practical Machine Learning, R Programming Language (John Hopkins University (October 2015) – Coursera), CCNA- Network Fundamentals

WORK EXPERIENCE

Northeastern University, Boston August 2015 - Present
Teaching Assistant
- Principles of Information Science(IS 2000) under Prof. Martin Schedlbauer
- Prepared Quizzes, evaluated assignments and exam papers and conducted office hours to help students with the course.

IntensifySoft, Hyderabad, India May - June 2013
Intern
- Implemented a Student Record System which tracks all the details of a student i.e. progress, results, attendance.
- Developed the project using ASP.NET and SQL server and was successfully tested for a class in Osmania University.

ACADEMIC PROJECTS

Northeastern University

Web Crawler and Page Rank Algorithm: Sept 2015
- Built a focused Web crawler that crawled 30000 web pages phrase using Python and indexed them using elastic search.
- Computed Page Rank on a collection of 183,811 documents and verified obtained page rank with entropy after each iteration.

Census Bureau Database classification using Data Mining Algorithms: March 2015
- Implemented J48, Naïve Bayes, KNN and SVM classification algorithms in JAVA using Weka API on dataset from UCI machine learning repository to predict a person's income based on educational, demographic and family information.
- Improved the accuracy by using Ensemble techniques such as Bagging and Boosting and trained the classifier using majority vote of all algorithms and tested against the test set to evaluate the performance.

Classifying and Clustering of IRIS and Segment datasets from WEKA: Feb 2015
- Implemented L2 Regularized Linear Regression and KNN to classify IRIS dataset using Python and Jama Library.
- Preprocessed the Segment dataset using Z-score normalization and clustered dataset using K-means algorithm.
- Measured the compactness of Segment dataset using Squared Sum Error and analyzed best k value using elbow curve.

Public Transport System: Nov. 2014
- Developed an application using Java and MySQL which allows users to search available transportation between destinations.

Osmania University

Forecasting Taxi Booking Trends in Hyderabad: July 2013
- Implemented CART, LWL (Local Weight Learning) and Multinomial Naïve Bayes (Flint Library) etc. on the given Dataset to predict the payment method given location, age and profession of a person using R, Python, Weka.

Histogram Specification to Process Digital Images: March 2013
- Developed the project which enhances the contrast of image using BPHEME and PME techniques as published in the IEEE paper (DOI - 10.1109/TIM.2010.2089110)
- Implemented the project using Matlab and C# and segmented the image using HS, Entropy Filter, Otsu's Threshold method.