Prashanth Dannamaneni

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Education

Masters of Arts, Applied Statistics **Sep'2014-Dec'2015 (expected)**
University of Michigan Ann Arbor **GPA: 3.8/4**
Relevant Courses: Machine learning, Statistical Computing, Applied Statistics (Linear Models), Categorical Data Analysis, Probability & Distribution theory, Applied Bayesian Inference, Applied Multivariate Analysis, Data Manipulation, Exploratory Data analysis

Bachelor of Technology, Civil Engineering **Jul'2010-Apr'2014**
National Institute of Technology Warangal **GPA: 8.84/10**
Relevant Courses: Introduction to probability and statistics, Introduction to programming and problem solving using C++

Experience

Data Science Intern, Pinsight Media+ (Powered by Sprint) **May'2015-Present**
Currently working on building a recommendation engine to recommend apps to V8 widget first time users to increase retention rate. Also working on building a markov model to predict location based on historical location information. Writing spark code for both the projects.
Worked on a US sampling project to draw a sample from the sprint subscribers that is representative of the US population. Sample will be used as a base for reporting mobile device behavior and usage. Wrote some hive queries to get the relevant data and used pandas, spark to process the data.

Research Assistant, Institute of Social Research **Sep'2014-Dec'2014**
Responsible for data wrangling, data modeling and data management using SPSS and R for secondary research and analysis.

Selected Projects

Predicting Future Hot topics **Feb'2015-Present**
Predicting Future hot topics in the NLP community by analyzing the evolution of topics related to the previously published papers in the AAN corpus based on the features derived from author collaboration and citation network.

Yelp Academic Data Sentiment Analysis **Jan'2015-Feb'2015**
Wrote complex pig scripts to parse the Json data and find the positivity and negativity of words in reviews and extracted most probable words in positive and negative reviews. The positivity and negativity scores were used to categorize a new review as positive or negative.

Latent Dirichlet Allocation **Oct'2014–Dec'2014**
Implemented Variational EM and Collapsed Gibbs sampling algorithms for Latent Dirichlet allocation and used for extracting topics from Yahoo Finance and MONK corpuses. Developed MapReduce code in python to process the large text corpuses.

Survey of Clothes Shopping Habits **Nov'2014– Dec'2014**
Collected responses on clothes shopping habits by a designed Questionnaire and did Contingency table analysis, Residual analysis, hypothesis testing and chi square tests in R to examine the relationship between demographic information and shopping habits.

Generation of Artificial Accelerograms (Undergraduate Thesis) **Sep'2014–April'2014**
Trained a multi-layer feed forward neural network using back propagation algorithm with response spectra as the independent variable and wavelet coefficients of decomposed accelerograms as the response variable and used the trained network to generate spectral compatible artificial accelerograms.

Skills

Software Tools: Apache Hadoop, Apache Hive, Apache pig, Apache Spark, Microsoft Office
Programming Languages: Python, C++, R, SQL

Awards

Dr. D.V. Gokhale International Grant in Statistics 2013-14
Institute Merit Scholarship 2010-11, 2011-12, 2012-13
Dean's List, NIT Warangal 2010-11,2012-13