AKHILESH REDDY NARAPAREDDY

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EDUCATION

The University of Texas at Austin — Master of Science in Business Analytics — May 2019
GPA : 3.69/4
Coursework: Advanced Predictive Modeling, Database Management, Text Analytics, Marketing Analytics, Social Media Analytics, Stochastic Control and Optimization, Cognitive computing, Time Series techniques

Pondicherry University — Bachelor of Technology, Electronics and Communication — May 2015
Overall GPA : 8.27/10

EXPERIENCE

Mu Sigma, Inc – *Bengaluru, India* — June 2015 - May 2018

Decision Scientist (June 2017 – May 2018)

- Facilitated one of the world's largest retailer in reconciling accounting deficits worth $5.5 M by implementing a Rule-based heuristic algorithm on disparate data sources using SQL and Python
- Forecasted users on a popular media network's website using Generalized additive models on clickstream data with less than 10% mean absolute percentage error ensuring minimal human intervention

Trainee Decision Scientist (June 2015 – May 2017)

- Created a goal setting framework for ~4000 stores for selling prepaid cards using k means clustering with k++ initialization in python
- Predicted income of kiosks in stores of one of the world's largest retailer by developing a multilinear regression model with ~80% adjusted R squared and prescribed the optimum number and types of kiosks for stores

ACADEMIC PROJECTS

- Predicted hand-drawn sketches from Quick Draw dataset with 92.11% precision(MAP@3) using deep CNN architectures such as ResNet and MobileNet by leveraging compute and storage instances on Google Cloud platform
- Built a music recommendation engine using Alternating least squares optimizer with Matrix factorization algorithm on implicit data(number of plays by a customer) using Python with ~88% AUC-ROC
- Scraped data from Reddit and performed Named entity recognition and topic modelling on the comments to understand public views regarding moving from cable channels to streaming services
- Built a classification model to predict high and low salary jobs based on job descriptions using Naïve Bayes(Bernoulli and Multinomial) and XGBoost classifiers with ~78% accuracy

LEADERSHIP EXPERIENCE AND ACTIVITIES

Mu Sigma, Inc - *Team Lead* — June 2017 - May 2018

- Led an analytics team of 6 Decision scientists that supports the Ad Sales team of one of the world's largest media networks in generating consumer insights thereby enabling data driven decision making

Students Council - *Executive Member* — August 2012 - May 2013

- Successfully organized several events in ENC' Info, a National level technical symposium conducted annually by Electronics and Communication engineering department of Pondicherry Engineering College

ADDITIONAL INFORMATION

Computer Skills: R, SQL, Python, Tableau, Google Cloud platform, scikit learn, pandas, numpy
Modelling skills: Lasso, Ridge and Logistic Regression, PCA, Linear discriminant analysis, Random forests, KNN, XGBoost, Choice based conjoint analysis, ALS collaborative filtering, ResNet, MobileNet CNNs , Matrix factorization
Awards : Spot Award at Mu Sigma, Inc
Interests: Kaggle competitions, Pencil sketching, reading books on behavioral sciences, playing chess
Work Eligibility: Extended eligibility to work in the U.S. due to S.T.E.M. certification; will require visa sponsorship for long-term employment