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, Stochastic Control and Optimization, 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)

- Reconciled accounting deficits worth $5.5 M for a Fortune 100 retailer 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 a Generalized additive model on clickstream data with less than 10% mean absolute percentage error ensuring minimal human intervention
- Consulted with the Ad Sales team of the popular media network and created an analytical framework to enable targeted advertising by understanding the viewer behavior

Trainee Decision Scientist (June 2015 – May 2017)

- Predicted income of kiosks in stores of a Fortune 100 retailer using a multilinear regression model with ~80% adjusted R squared and prescribed the optimum number and types of kiosks for stores
- Created a goal setting framework for ~4000 stores for selling prepaid cards using k means clustering with k++ initialization in python
- Analyzed the effect of Tax refund season on various retail departments and built an interactive Tableau dashboard that helped the clients take informed decisions regarding inventory in the stores

ACADEMIC PROJECTS

Sketch recognition using Mobilenet — Fall – 2018

- 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

Music recommendation system using ALS Matrix factorization — Fall - 2018

- 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 ~90% AUC-ROC

Cable Cord cutter sentiment analysis — Fall - 2018

- Scraped data from Reddit and performed Named entity recognition, sentiment analysis and topic modelling on the comments to understand public views regarding moving from cable channels to streaming services

Salary classification based on job description — Fall - 2018

- 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

Towards Data science – *Writer* — Spring - 2019

- Authored and co-authored articles on recommender systems, web scraping and image classification

ADDITIONAL INFORMATION

Languages/platforms : Python, SQL, R, scikit-learn, pandas, numpy, keras, Tensorflow, Google Cloud platform, AWS, Tableau

Modelling skills: Lasso, Ridge and Logistic Regression, A/B testing, PCA, Linear discriminant analysis, Random forest, KNN, XGBoost, ALS collaborative filtering, Matrix factorization ResNet, MobileNet , LSTM

Achievements: Kaggle – Quora Insincere questions classification challenge – Bronze medal(Top 8%), Quick draw classification challenge – Top 20%

Interests: Pencil sketching, reading books on behavioral sciences, playing chess