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

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
- Built an interactive dashboard in Tableau to monitor the performance of various departments in 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 ~90% 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
- Performed exploratory data analysis to understand the different aspects that affect bike sharing in Austin using rides, weather and demographics data to make recommendations for bike rebalancing

LEADERSHIP EXPERIENCE AND ACTIVITIES

Towards Data science – *Writer*   Jan 2019 - Present
- Authored and coauthored articles on recommender systems, web scraping and image classification

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

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 forests, KNN, XGBoost, Choice based conjoint analysis, ALS collaborative filtering, ResNet, MobileNet CNNs , Matrix factorization
Interests: Kaggle competitions, Pencil sketching, reading books on behavioral sciences, playing chess