AKHILESH REDDY NARAPAREDDY

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EDUCATION

The University of Texas at Austin	Master of Science in Business Analytics GPA : 3.69/4	May 2019
Pondicherry University	Bachelor of Technology, Electronics and Communication GPA : 8.27/10	May 2015

EXPERIENCE

3M – *Capstone intern; Austin, TX*   Spring – 2019

- Currently working on optimizing prices for individual products of US electrical markets division by formulating price elasticity curves and using non-linear programming methods

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 a 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
- 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

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

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

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