Shilpa Chanshetti

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EDUCATION

Texas A&M University, Mays Business School   College Station, Texas
Master of Science in Management Information Systems, **GPA: 3.81**   May 2020
Relevant Coursework: Predictive Analytics, Data Warehousing, System Analysis & Design, Economic Analysis, Data Management

College of Engineering, Pune   Pune, India
Bachelor of Technology in Information Technology, **GPA: 3.52**   May 2016
Relevant Coursework: Data Mining, Information Retrieval, Business Analytics, Database Management, Operations Research

TECHNICAL SKILLS

Languages: SQL, R, Python, NoSQL, C, HTML, XML, CSS, Java
Algorithms: Linear Regression, Logistic Regression, Polynomial Regression, Lasso Regression, Ridge Regression, Decision Trees, Random Forest, Naive Bayes, Support Vector Machines, K-nearest neighbors, K-means, Hierarchical Clustering, Neural Networks
Machine Learning: Scikit-Learn, NumPy, PySpark, Pandas, Matplotlib, dplyr, Caret, tidyverse, ggplot2
Statistical packages & Business Intelligence tools: R, Tableau, SAS, Excel (Pivot Tables, VBA, Power Pivot, vlookup), SSIS, SSRS
Database Systems: Microsoft SQL Server, Oracle SQL Developer, MySQL, MariaDB, , Redshift, DynamoDB
Tools & Technologies: Amazon Web Services, Unix/Linux, MS Visio, MS Office, A/B testing, Agile, JIRA, ServiceNow, Scrum

PROFESSIONAL EXPERIENCE

Autodesk, *Data Science & Analyst Intern*   May 2019 – Aug 2019
- Built & managed an end-to-end data pipeline using different **AWS** services like Kinesis, Lambda, Redshift, Sagemaker for streaming, processing & analyzing incident data from different sources
- Performed **data mining** on monitoring data & identified the cross-source correlation patterns using **DBSCAN** to reduce the number of incidents generated for the alerts ingested by different alerting tools; increased the **efficiency by 10%**
- Created dashboard using **Tableau** to identify & compare the compression rate for the individual alert sources

Barclays, *Data Analyst*   Aug 2016 – Jul 2018
- Automated the process of **trend analysis & report generation** using **Java and MySQL**; identified anomalous behavioral patterns in bills generated by billing application; reduced analysis time from **7-8 hours to ~20 mins**
- **Improved the query latency by ~ 25%** by optimizing existing stored procedures in **Oracle database**; created data flows & identified the inter-dependencies among stored procedures to remove redundancies
- Designed & implemented **statistical report** in Tableau to analyze the billing trends & provided actionable insights to retain customers; **increased product sales by 7%**
- Accelerated new employee onboarding process by creating a self-help portal leveraging **agile methodology**; performed problem recognition, data collection, understood business processes by collaborating with cross-functional teams; reduced time taken for onboarding from **7 days to 2 days**

Texas A&M University, *Data Analyst*   Aug 2019 – Present
- Analyzing the survey data by understanding the descriptive statistics using **R** & generating reports to providing insights on the development of the model for achieving inclusion in different schools

PROJECTS

Parkinson's Telemonitoring Data Analysis
- Built **regression model** for prediction of UPDRS (Parkinson's disease symptom severity) using **Random forest** algorithm in **R**
- Obtained key metrics contributing to UPDRS using correlation & feature importance. Achieved the lowest RMSE of **1.78**

Bankruptcy Analysis of Canadian Population
- Created intuitive & visually appealing **Tableau Dashboard** for Canadian policy makers to gain valuable demographic insights
- Analyzed existing data set & provided filters to visualize based on province, gender, age & economic sector

Data warehouse & BI for retail store chain
- Forecasted profitability & recommended 5 new opportunities to improve the revenue by creating data marts & building a multi-dimensional data warehouse using Microsoft SQL server
- Performed **data cleaning**, **ETL, analysis, visualization & reporting using SSIS, SSRS, SSAS**

LEADERSHIP AND ACHIEVEMENTS

- **Runner-up**, MS-MIS case competition among 12 teams
- **Spearheaded a team** of 5 people during Bachelors in Zest (National Level Sports event); effectively managed a cohort of 500 people across 20 different sports through a period of 3 days