

# ARPITA DESHMUKH

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## EDUCATION

**Texas A&M University, Mays Business School**

*Master of Science in Management Information Systems*

**College Station, TX**

**August 2018 - May 2020**

**University of Pune**

*Bachelor of Engineering in Information Technology*

**Pune, India**

**August 2014 - May 2018**

## SKILLS

**Languages:** Python | SQL | R programming | SAS

**Data Visualization:** Tableau | Targit | PowerBI | Advanced Excel

**Databases:** Neo4J | Azure | MariaDB | SQL Server | MongoDB | MS Access

**Technologies:** Alteryx | AWS (EC2, S3, Redshift) | SAS Miner | SSIS | SSRS | SSAS | XL Miner

## EXPERIENCE

**Behavioral Health Group, LLC**

*Revenue Data Analyst*

**Dallas, TX**

**July 2020 - Present**

- Expediated data validation process for over 60 locations; replaced manual task of quality check with Python scripts
- Performed SQL queries (CTEs & Windows functions) to pull data from multiple tables; built powerBI reports for management to make data-driven decisions
- Created/modified ETL processes using Alteryx to ensure proper flow of data to Azure data warehouse
- **No Show Project**
- Performed ETL in Alteryx, data validation using Python, PowerBI report generation to track patients who miss their doses, services
- **Unit-Time Project**
- To streamline the process of revenue capture, report was generated to track services associated with payers and their clients

**Strategic Materials, Inc**

*Data & Business Intelligence Analyst Intern*

**Houston, TX**

**May 2019 - Aug 2019**

- Conducted requirements elicitation from C-suite executives, third-party consultants, and stakeholders for creating drill-down reports, real-time interactive dashboards; delivered BI projects 4 months prior to deadlines
- Enhanced ETL solutions, updated dimensional data model in Targit while coordinating with developer
- Researched and analyzed industry trends, consolidated reports to compare company and industry standards associated with rail freight costs; resulted in potential annual savings of \$5 million
- **6-Pak Dashboard Project**
- Developed 20 KPIs for real-time inventory monitoring by creating dashboard with relevant metrics for 50 global locations
- **Tracking on-Time shipments**
- Created dashboard to compare on-time shipments percentage across global facilities for past 6 months; incorporated email alert system for notifying plant managers/carriers if on-time percentage falls below 70% for the current month

## PROJECTS

**Classification of Risk Mortality for Patients Above 65 Years**

- Performed dimension reduction and added derived variables to train models (Decision Trees, Naïve Bayes, Logistic) & correctly classified severity of risk mortality of patient using SAS Enterprise Miner
- Conducted Hyper-parameter tuning on Naïve Bayes; resulted in decrease of misclassification error rate from 52% to 47%

**Downhole Equipment Failure Prediction (Conoco Phillips 2019 TAMU Datathon)**

- Implemented classification ML techniques (Random Forest, Logistic, AdaBoost, Gradient Boosting) by analyzing 172 sensor data with Random Forest emerging as best model
- Performed resampling & cross validation to deal with imbalanced data; lead to increase in F1 score from 95.25% to 99.32%

**Data Warehouse Creation for Retail Store Chain**

- Developed data warehouse & performed ETL by creating data pipelines using SSIS; generated BI reports using SSRS, SSAS, MS Excel
- Performed data cleaning & identified trends and seasonality to produce solutions to improve sales for retail store chain