

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

- Expedited 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