

# APOORVA JAIN

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## EDUCATION

**Southern Methodist University** | Dallas, TX

Aug 2020

- Masters in Engineering Management Specializing in Information System
- Masters in Network Engineering

**Rajiv Gandhi Prodyogiki Vishwavidyalaya** | Bhopal, India

June 2017

- Bachelors in Electrical and Electronics Engineering

## SKILLS

**Soft Skills:** Communication, Observant, Analytical Thinking, Independent, Problem-Solving

**Concepts:** Cluster Analysis, Regression Analysis, Decision Tree, Random Forest, Naïve-Bayes, Time Series, CART, Hypothesis Testing, ETL pipeline, Descriptive Analytics, Predictive Analytics, Exploratory Analytics, Economic Decision Making (Certainty, Uncertainty, Risk), AGILE

**Databases and Tools:** R, Python, Minitab, SPSS, Statal, MS Excel (Macros, Pivot), MS Power BI, Tableau, MySQL, JIRA

## EXPERIENCE

**Altshuler Learning Enhancement Centre, Academic Tutor** | Dallas, TX

Sep. 19 – Aug. 20

- Stimulate students' performance and enthusiasm by 90% in the field of statistics, probability, economics, and business calculus by providing conceptual clarity and increase problem solving skills to achieve 100%
- Foster critical thinking, intellectual thinking, and conceptual clarity for disabled students across the center

**Vidushi Infotech, Data Analyst** | Pune, India

Aug. 16 – Jul. 17

- Performed data wrangling and data aggregation using R, validated, and deduced anomalies in the operations by 9%
- Modelled reports by collaborating with operations and marketing team to increase the scalability by 12%
- Developed Power BI dashboards to interpret the key metrics for cost-effective solutions across cross functional teams

**Supr Techlab Pvt. Ltd., Data Analyst Intern** | Mumbai, India

Jul. 16 – Aug. 16

- Developed MS Excel reports with higher consistency and validity to increase the data quality to target high valued customers based on attributes, which led to increase sales by 18% by developing business strategies
- Automated real time cash-flow reports using Macros which summarized various operations across the departments
- Designed the reports to interpret the key metrics, increase the usability by 50% to ease the communication across

## PROJECTS

**The Battle of Neighborhood: (Python)**

Jun. 20 – Aug. 20

- Utilized Foursquare API to do exploratory analysis of the restaurants in NYC, based upon features
- Recommended the best neighborhood to open a new restaurant using a machine learning algorithm, Cluster Analysis (8) and visualized the venue, neighborhood, clusters using Folium, Seaborn library in Python

**Sentiment Analysis: Content analysis (R, SQL)**

Dec. 19 – Jan. 20

- Evaluated the model performance with an accuracy of 98.67% and 68.3%, visualized the frequency of candidate that was mentioned the most and the sentiment of the tweet

**Musify: Music Application (Advanced Excel, Power BI)**

Jan. 19 – May 19

- Built an IT infrastructure based on 3 years forecasted user growth for 30 million users in three different infrastructures
- Recommended the most profitable infrastructure with constraints, distributed infrastructure with an overall cost for \$53M for 3 year based on latency, reliability, scalability, accessibility of data and presented to stakeholders

**Illumexico: Model for Solar Plant Company (R, TABLEAU)**

Apr. 19 – May 19

- Preprocessed 1.8M dataset associated with product, built machine learning models using Cluster Analysis (14) and Decision Tree to enhance payment portfolio of the product, determined good indicator for customer compliance
- Predicted most important features for model and evaluated the performance using confusion matrix, ROC and AUC curve and achieved accuracy of 72% that represented the reliability of credit score rating and payment compliances

## EXTRA CURRICULAR

- Goldman Sachs Engineering Virtual Program – Insidesherpa
- AWS Certified Cloud Practitioner (EVJRFM8CHJBE1CGS)
- Python for Machine Learning and Data Visualization by IBM | COURSERA
- Grace Hopper Conference Attendee (2019)
- Gyan Prem Foundation (NGO) – Volunteer