

# Pranav Kalyanpur

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## Education

### University of Texas at Dallas

Richardson, Texas

MASTER OF SCIENCE IN SYSTEMS ENGINEERING MANAGEMENT WITH A SPECIALIZATION IN DATA ANALYTICS

Aug 2017 - Dec 2019

- Courses: Advanced Business Analytics with R, Risk and Decision Analysis, Data Visualization, Technology and New Product Development, Statistics and Data Analysis, Organizing for Business Analytics: A Systems Approach, Data Science

### BMS Institute of Technology and Management

Bangalore, India

BACHELOR OF ENGINEERING IN ELECTRONICS AND COMPUTER SCIENCE

Sep. 2011 - July 2015

- Courses: Computer Networks, Relational Database Management, Communications Engineering, Network Security, Data mining

## Skills

**Languages** SQL, Python, R, C++

**ML Packages** Pandas, NumPy, Matplotlib, Seaborn, SciPy, Scikit-Learn, Keras, TensorFlow, R-ggplot

**Database** MySQL, PostgreSQL, Informatica, Oracle

**Other technologies** Tableau, PowerBI, Qlikview, Sharepoint, JIRA, MS Project, Excel (Pivot tables, V-lookups, VBA), Informatica, Oracle Database Server, Microsoft SQL Server

**Statistical Analysis** Z-test, F-test, ANOVA, Chi-square test, Normal Distributions, Binomial Distributions, Time Series, ARIMA, Heteroskedasticity, KPSS Test for Stationarity

**Tableau Profile Link** <https://public.tableau.com/profile/prk93/> (Contains three of the most insightful dashboards I have worked on)

## Experience

### TEXOMA COMMUNITY CENTER

Sherman, Texas

DATA ANALYST INTERN

March 2019 - May 2019

- Reduced the time spent in data acquisition from multiple data sources by 70 percent through automation and scripting SQL queries and transformed the data using Tableau Prep
- Performed exploratory data analysis and data mining on employee survey data using python numpy and pandas, and also provided business recommendations to improve the overall job satisfaction by 10 percent
- Designed an interactive KPI patient dashboard in Tableau to visualize the trends and insights of the company ISO metrics and patient data, extract trends and business insights with the goal of being able to assist TCC in operating in a profitable and streamlined manner

### COGNIZANT

Pune, India

DATA ANALYST

March 2015 - May 2017

- Performed exploratory data analysis and customer segmentation analysis on enrollment and eligibility data to identify profitable customers and improve policy renewal and persistency by 25 percent using SQL and Python
- Created interactive dashboards in Tableau to monitor the operational performance of clients and visualize their monthly KPIs
- Developed various interactive data visualizations that allowed the business leaders to adjust quickly to performance and trends and make data-driven decisions

## Academic Projects

**Time Series Analysis of Bitcoin Prices using ARIMA, Periodograms and Forecasting in R** Used time series analysis to find patterns in the Bitcoin Price from 2014 up until now by using ARIMA models, Periodograms, Forecasting and Prediction Techniques

**Analyzing Effects of Natural Disasters on Exxon Mobil using SQL and Tableau** Please Visit my Tableau Profile link at the end of the skills section to check out my dashboard

**Analysis of Trends in Vanilla Production across all states in the United States using SQL and Tableau** Please Visit my Tableau Profile link at the end of the skills section to check out my dashboard

**Analysis of Variation in Prices of Production in Countries using SQL and Tableau** Please Visit my Tableau Profile link at the end of the skills section to check out my dashboard

**Online Grocery Delivery Business Venture Analysis using Python and Tableau** Gathered and analyzed data to establish projected growth, identify profitable products and ideal locations for warehouses. Implemented k-means clustering technique to divide customers into clusters based on shopping habits for better targeting. Represented findings in a graphical report using Tableau to determine if it is commercially viable to invest in this sector