Vraj Nilesh Patel

vrajp97@gmail.com | (813) 474-8639 | Vrajnpatel.com | www.linkedin.com/in/vraj-n-patel

Education

University of South Florida   **August 2016 – July 2019**
Bachelor of science in Business Analytics and Information Systems
Overall GPA: 3.87   **Major GPA:** 4.0

Georgia Institute of Technology   **August 2020 – July 2022**
Master of Science in Analytics

Experience

Deloitte   September 2019 – Present   Orlando, FL
SOLUTION ENGINEER
- Key contributor in design, development, and implementation of analytics solutions to translate data into actionable insights.
- Create dashboards and reports for Project Management office and Senior Executive office using PowerBI, Microsoft Azure Datawarehouse, Azure Data Studio for a health insurance provider.
- Nominated into Cloud Institute for Foundational Developer and Foundational Strategist training to take AWS Solutions Architect – Associate Exam.

Citi   June 2019 – August 2019   Tampa, FL
INTERNAL AUDITOR - Data Governance and Risk Management Summer Analyst
- Assisted in auditing the Chief Data Office of Citigroup for data governance and risk management.
- Supported development of automated testing procedures for continuous auditing, by utilizing innovative data analytics approaches.
- Completed DEA audit documentation and analyzed data sets for compliance, quality control analysis, evaluating business processes, and controls to identify data issues.

Oscher Consulting   August 2018 – June 2019   Tampa, FL
FORENSIC ACCOUNTING ANALYTICS INTERN
- Developed storyboards to outline and identify key insights for litigation cases.
- Analyzed financial data and traced discrepancies and presented findings to be used as evidence at trial.
- Evaluated financial and bank statements, and other accounting sources to assist in calculating damages.

AaNeel Info Tech   June 2016 – December 2017   Tampa, FL
IT INTERN
- Supported the IT department systems upgrade, data analytics, and in-house server management.
- Developed presentations for professional use at conferences and other professional affiliations.
- Used data analysis and story boarding to understand and identify trends to decrease hospital readmissions in the CCM (Chronic Care Management) program.

Skills

Software / Products:	Power BI, Tableau, Qlik, GitHub, Atom, Eclipse, Amazon Web Services, Microsoft Azure, SSIS, SSRS
Development Tools / Languages:	R, Python, Java, SQL, HTML5, VBA, C, C#, DAX, PowerQuery
Hardware/Operating Systems:	Windows, Linux, Mac OS
Middleware / Databases:	SQL Server, MySQL
General Tools:	Microsoft Office (Excel, Word, Visio, Project, Access)
Languages:	English, Gujarati, Hindi

Projects

NFL Geospatial Data

Analyzed geospatial data for an NFL team to develop a model to measure offensive and defensive lineman performance factoring in positive and negative outcomes. Data was stored in AWS S3 buckets. I used AWS glue to extract, transform and load the data in data warehouse. AWS Athena was used to analyze the data. I built the model on AWS SageMaker and used AWS QuickSight to create an interactive dashboard.

AWS - S3 bucket, Glue, Athena, SageMaker, QuickSight

Diabetic Patient Readmission

R Studio, Kaggle. ggplot2

Analyzed data for readmission rate for diabetic patients by doing exploratory data analysis in R and using ggplot2. Created a prediction model using random forest and logistic regression to predict which variables can help us identify if the patient will be readmitted into the hospital within 30 days. I compared the logistic regression and random forest model by looking at AUC, ROC, Accuracy, and Specificity.

Hotel Data Set

VBA, Kutools, Tableau, Excel

Proposed, and implemented, macros to combine over 1460 excel workbooks with each workbook having 8 worksheets. Saved over 45 hours of labor by using macros to combine and format the worksheets in 30 minutes. Record and run a macro to organize all sheets into the same format. Used Kutools for excel to combine 365 sheets. Convert 4 excel files to csv to use with tableau. Created a union on tableau with 4 years of data sets and then analyzed the data with dashboards with the purpose of improving sales and finding meaningful patterns.

Care Management Program Integrated Operational and Outcome Reporting

Power BI, Microsoft Azure Data Warehouse, Azure Data Studio

Designed three executive dashboards that provided the enterprise view of the KPIs with slice and dice capability for care management program. Loaded 250 million rows of data from Microsoft azure data warehouse to Power BI. Developed the data model on Power BI to connect the tables from data warehouse. Tested KPIs equation accuracy by running queries in azure data studio.

Healthcare Project Management Dashboards & Reports

Power BI, Excel

Created project management dashboards for the oldest and most experienced provider of health coverage in America. Identified important KPIs to measure for project management team. Integrate data provided by the company with additional dimensions to generate dummy data. Developed data model used for Power Bi to extract data from tables. Created a dashboard to showcase KPIs for waterfall and Agile projects. Created dynamic dashboards using buttons with actions to navigate through multiple reports from one dashboard and change layout of dashboard based on the selection of waterfall or agile.

Relevant Coursework

Program Design (C)	Data Analytics with R	Calculus 1- 3
Systems Analysis Design	Business App. Development (C#)	Database Design/Administration
Programming Concepts (Java)	Probability & Statistics for Engineers	Business & Economic Statistics 2

Awards

2nd place Data Blitz   *October 2019*
Placed 2nd nationally for annual Data Blitz competition by performing analysis on Opioid crisis in America by utilizing Tableau to generate storyboards.

Dean's list
• College of Engineering: Spring 2017
• College of Business: Spring 2018, Summer 2018, Fall 2018, Spring 2019

Certifications

AWS Cloud Practitioner - July 2020
AWS Solutions Architect Associate – In Progress

Leadership

Engineering Council - Finance Chair
February 2018 – March 2019
Develop an annual operating budget of $2 million and approve the budget within the finance committee.

SASE (Society of Asian Scientists & Engineers) Regional Conference at USF - Executive director
July 2017 – February 2018
Assigned weekly tasks to committee directors and manage over 37 student volunteers for a STEM conference.

Engineering Expo   - Exhibitors Director
June 2017 – February 2018
Handled registration process for over 15,000 attendees and answered any questions related to the expo.