

NISHANTH SINGAMSETTY

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LinkedIn: [nishanth-singamsetty](#) | Tableau: [nishanth.singamsetty](#) | Certification : [Tableau Desktop Specialist](#)

PROFESSIONAL SUMMARY

- MIS Graduate student with 3+ years industry experience in Analytics, Visualization, Statistical Modeling.
- Efficient in working on large datasets to deliver business insights.
- Possess strong commitment to team environment dynamics with the ability to contribute expertise.

EDUCATION

MS in Management Information Systems - University of Illinois at Chicago, USA, GPA: 3.50/4.00 Aug 2018 – Dec 2019

B. Tech in Information Technology - GITAM University, India, GPA: 7.6/10 Jul 2011 – Apr 2015

RELEVANT COURSEWORK

- Data Mining, Statistics for Business, Statistical Software in Business using SAS, Big Data Analytics, Business Data Visualization, Adv Database Management Systems, Information Systems Strategy & Policy, Applied Consulting, Systems Analysis Design Project, Financial Accounting, Operations Management, Big Data Analytics, Managing Enterprise Analytics

PROFESSIONAL EXPERIENCE

Project Intern, Joint Commission | PowerBI, Python, RedHat, PySpark Sept 2019 – Dec 2019

- Designed a system to apply text mining methods on customer satisfaction data (HCAHPS) to identify trends and generate meaningful insights from it, hence reducing **40%** complaints on hospital care.
- Improved the search system of incidents by developing a word correlation method on patient safety data to generate meaningful results and simplify decision making process for the leadership team.
- Introduced a method to de-identify patient safety data to comply with HIPAA rules, hence reducing the time taken for Joint Commission to process the data and reducing the expenses.
- Classified severity levels of patient incidents by using machine learning models like Gradient Boosting, Naïve Bayes, Random Forest, to cut short time on manual classification of the incidents.

Project Intern, City of Chicago | Google Analytics, Tableau, Excel Sept 2018 – Dec 2018

- Improved the City of Chicago's (COC) website traffic by **30%** by performing analytics on various key features such as information relevance, clustering of data on webpages and ease of maneuver across the website.
- Developed a framework using Tableau to help the team monitor the daily trends across the various pages of COC.
- Designed and executed multivariate A/B testing programs to understand the impact of key features such as time on page, conversion rate, site speed, etc.

Senior Project Engineer, Wipro Limited, India | SQL, SAS, C#, Hive, Pig Jun 2015 – Jun 2018

- Devised customer retention strategies by doing exploratory data analysis on Call detail record (CDR) using Pig and Hive.
- Collaborated with the T-Mobile team to improve data pre-processing of CDR by developing SQL jobs and reduced the data blending time to ensure effective productivity.
- Analyzed customer profiling and usage pattern across different dimensions on CDR data using SAS to formulate long term trends.
- Acted as a liaison and facilitated Scrum meetings with team members for sprint – reviews, planning and standups.

ACADEMIC PROJECTS [\[GitHub\]](#)

Airbnb Property Analysis | SAS, Tableau Nov 2019 – Dec 2019

- Performed time series analysis on the Airbnb Seattle listings to forecast change of price by season, trends over the years and important characteristics in selecting a listing.

News Headline and Article Success -NLP | Python, NumPy, Pandas, Gensim Sep 2019 – Oct 2019

- Predicted news articles' popularity by analyzing title sentiments and generating high end visualizations of the word clusters using t-SNE Library. Natural language Processors and embeddings were built using Word2vec and NLTK libraries.

Yelp Reviews – Sentiment Analysis | R, RapidMiner Mar 2019 – Apr 2019

- Performed text analytics on **50,000** Yelp restaurant reviews to predict the sentiment polarity using different dictionaries. The goal is to build a model that predicts whether a user liked a local business or not based on their reviews.

Performance Analysis on Envoy Airlines | Tableau, Excel Jan 2019 – Mar 2019

- Compiled a creative dashboard on the BTS (Bureau of Transportation Statistics) Dataset for a time period of 32 years, visualizing the flight delays and other performance metrics such as Best to worst Airline Delay rating of Envoy Airlines in comparison with other airlines.

PVA-Fundraiser Analysis | R, RapidMiner Feb 2019 – Mar 2019

- Improved the cost effectiveness of PVA's (Paralyzed Veterans of America) direct marketing campaign by analyzing Donor data of more than **300 attributes** using Ridge & Lasso Regression, Boosted Trees and SVM.

TECHNICAL SKILLS

- **Data Analytics/ Visualization Tools:** R, Tableau, SAS, Google Analytics, SPSS, PowerBI
- **Databases:** SQL Server, MySQL
- **Big Data:** Hadoop, Hive, Pig, Sqoop, Spark, AWS
- **Programming:** Python, Java, C#, HTML, VBA
- **Software:** Microsoft Office Suite, Eclipse, JIRA