

## **Summary**

A business-minded data scientist with around 5 years of experience in Analytics industry, with a demonstrated ability to deliver valuable insights via data analytics and advanced data-driven methods. I successfully completed "PGP in Big Data Analytics and Optimization at INSOFE" in 2017. Worked in Machine Learning, NLP and Big data platforms.

## **Tools & Technologies**

- Machine Learning
- Statistical modeling
- NLP - Sentiment Analysis
- Big data platforms (Hive, Sqoop, Shell Scripting)
- R
- Python
- SQL
- Excel

## **Professional Synopsis**

- Excellent Data Exploratory skills
- Excellent presentation and communication skills with a hunger to continuously learn newer technologies in the analytics world
- Knowledge of leading analytics tools like R, Python
- Knowledge of Advanced Analytics like predictive modeling, Machine Learning and Big data platforms.
- Capable of connecting with businesses and enable customer in consuming actionable insights.
- Capable of ETL processing, cleaning, and verifying the integrity of data used for analysis
- Doing ad-hoc analysis and presenting results in a clear manner

## **Experience**

UHG company OPTUM, Data Scientist since March 2019, Hyderabad

Sequel Soft, Data Scientist from August 2016 to January 2019, Bangalore

## **Certification**

Certified Data Scientist from INSOFE – International School of Engineering

April 2017 – October 2017

**Vamsikrishna**

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## **Projects**

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### **Predictive model for equipment fault detection**

**Technical Utilities/Models:** Logistic Regression, Random Forest, SVM, XGBoost

**Programming environment:** Python

**Project Description** – To build a model that can exactly predict whether equipment design is failure or not and do a root cause analysis for failure detection. Random forest for feature selection. Using PCA to bring down the high dimensional data to lower helps visualize data on a graph and balancing data with smote. Applying support vector machine, Random Forest, XGBoost for model prediction. I secured precision and recall of more than 80% each.

**Contribution:** Data extraction, Data Cleaning, Feature Extraction, Multi collinearity, Balancing data, Model Building in Python, Model Evaluation, Association Rules

### **Optum rx hdp state regulation automation**

**Business Context:** Currently, there are multiple state regulation rules causing data entry rejects in the tech exception/patient call clinical queue. Each of these rejects are different and require different manual resolution based upon the underlying data & historic trend, state specific rules etc.

**Tools & Technical Utilities:** SQL, Text Analytics, Hive, Sqoop, Shell Scripting, Cron Schedule.

**Solution Description:** Provide an integrated automation with the capability of dealing with all these rejects code using the underlying data & historic trend, state specific rules. This automation will have steps coded to conditionally treat every reject individually.

**Success metrics:** Reduce TAT time & minimal fallout processed by BOT and annual savings of \$700K.

### **Optum rx hdp DDCR automation**

**Business Context:** Orders that are put on hold, 3 attempts are made to contact the member. If the member is still not contactable or no response is received from the member, agents working up on those orders which leads to lot of manual work and payment cost is more.

**Tools & Technical Utilities:** SQL, R, Text Analytics, Hive, Sqoop, Shell Scripting, Cron Schedule.

**Solution Description:** Develop efficient integrated automation for order processing.

- Done by developing a query that automatically fetches data from NAS Drive.
- Apply business logics to determine if the order should be shipped, profiled, or cancelled
- BOTS will perform these actions and any exceptions will be placed back in the NAS Drive.
- Scope of work in terms of hold will be Patient Question Hold, Copay Hold and Credit card Pre-Auth failure hold

**Success metrics:** Reduce TAT time & minimal fallout processed by BOT and annual savings of \$800K.

## **Education**

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B.TECH – Bachelor of Technology, April 2016  
VR Siddhartha Engineering College, JNTUK