**Tejanathreddy Reddyvari**

**IT Analyst, TCS (Analytics & Insights)**

[tejajuly20@gmail.com](mailto:tejajuly20@gmail.com)

+91-7032660323

**SUMMARY**

* Progressive 5 years of professional experience, including over 2 years in Machine Learning/Data science domain.
* Defining the business problem and identifying the required data sources to perform data analysis.
* Conducting thorough EDA/Data mining to generate insights and providing the value recommendations to the business.
* Applying statistical and Machine Learning techniques for building predictive analytics based solutions.
* Able to communicate with stakeholders effectively with good business acumen.
* Successfully completed “Post Graduate Program in Business Analytics” from Great Lakes Institute of Management.

**Technical Skills**

**Statistical Analysis/Modelling:** Hypothesis Testing, Correlation Analysis, Missing Data Imputation, Regression modelling &validation - Multivariate Linear/Logistic Regression, Multinomial Logit Regression, Ordinal Regression, Survival Analysis.

**Regression Shrinkage Methods:** Ridge and Lasso Regression

**Feature Engineering:** Feature Extraction, Feature Selection, Dimensionality Reduction using PCA and Factor Analysis.

**Data Mining:** Clustering: K-Means, HAC (Hierarchical Agglomerative Clustering), Gaussian Mixture Models

**Machine Learning/Predictive Modelling:** Decision Trees: CART, CHAID, Bagging: Random Forest, Boosting: XGBoost, K-NN, Support Vector Machines, Naive Bayes Classification, Artificial Neural Networks

**NLP/Text Analytics:** Text Classification, BOW (Bag of Words) Model, Latent Semantic Analysis, SVD,

Topic Modelling using LDA (Latent Direchlet Allocation), NER (Named Entity Recognition), Sentiment Analysis

**Deep Learning:** Artificial Neural networks, Tensor Flow, Keras, CNN, RNN, Image Recognition

**Data Visualization:** Tableau, R- ggplot, matplotlib​

**LANGUAGES AND TECHNOLOGIES**

R, Python, SQL, Advanced Excel, Tableau, Spark (Pyspark & Spark MLLIB), Hadoop/Hive

**PROFESSIONAL EXPERIENCE**

* **Claim Classification Model:**

The business objective is to classify the warranty claim data using all claim related features along with part reliability features to reduce overhead warrant costs.

* **Text Categorization/Classification/Sentiment analysis**

Objective is to classify the survey comment provided by Dealer and to perform sentiment analysis on top of it to be able to identify the improvement in their service operations.

* **Supplier Performance Evaluation**

The business goal is to identify the suppliers who are going to become past due ahead so that business analysts can take appropriate decisions for better inventory management and customer satisfaction.

* **Predictive model to identify defective gearbox products in manufacturing process**

The parts which went to EOL testing after the assembly process are getting passed but then these are failing in the field.

Proposed and built anomaly detection algorithm using One-Class SVM and was able to detect the anomalies which might fail in the field at the EOL station itself.

* **Identifying next "N" potential outlet stores**

The business objective is identify the next “N” outlets where the promotional scheme can be launched to maximize sales volume and profit.

**EDUCATION**

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| --- | --- | --- | --- |
| **Course** | **Institution** | **Year** | **Remarks** |
| Post Graduate Program in Business Analytics (PGPBA) | Great Lakes Institute of Management | 2016 | Completed |
| Bachelors in Electronics & Communication Engineering | SASTRA University | 2012 | 83.00% |