

👤 Designation: MLEngineer

## PROFESSIONAL SUMMARY

A Professional having around **3.2Years** of **ML Engineer** experience in data-driven solutions to increase efficiency, accuracy, and utility of internal data processing. Experienced at creating data classification and regression models, using predictive data modeling, and analyzing data mining algorithms to deliver insights and implement action-oriented solutions to complex business problems.

## HIGH-LEVEL SUMMARY OF RESUME

Working closely with business and engineering teams to encourage statistical best practices with respect to experimental design, data capture and data analysis.

- A detail-oriented professional experience in Python, Data Science and Machine learning with expertise in Financial and Document Classification domain projects.
- Deep knowledge of and track record of machine learning development (e.g., sequential models, classification, deep learning)

## TECHNICAL CORE COMPETENCIES

### ❖ Machine Learning and Data Science:

- **Machine learning:** Linear Regression, Ridge & Lasso Regression, Logistic Regression, Naïve Bayes Classifier, k Nearest Neighbor's Classifier, Support Vector Machine, Decision Tree, Random Forest, Gradient Descent, Ada-Boost, Gradient Boosting, XGBoost, K-means Clustering. Python/ML/CV
- **Packages:** Scikit Learn, Pandas, Numpy, Matplotlib, Seaborn, Regular Expressions
- **Text Processing:** NLTK, TF-IDF, Word2Vec, Bag of Words, word2vec, doc2vec, sent2vec, spacy, gensim
- **Deep Learning:** NN, ANN, CNN, DNN, Transfer Learning, Back Propagation, Tensorflow, Keras

### ❖ Supporting Technologies:

- **Programming Languages:** Python, SQL
- **Cloud Platforms/Services:** AWS, EC2, Sagemaker, Notebook instance, AWS container, S3, Multi-cloud environment, Deployment
- **Web stack:** Flask, Postman.
- **DevOps:** GitHub
- **Operating Systems:** Windows
- **Database:** SQL, Command, Constrains, Clauses, CRUD operations, Subqueries, Window functions, Joins

## PROFESSIONAL WORK EXPERIENCE

- **3.2Years** of Working Experience at **Avaya Inc, Pune** as a **Data Scientist** from **Oct 2019** to Till Date.

## EDUCATION

Degree	University/Institution	Percentage
BE	Aurangabad university 2012-2013	62%
HSC	State Board   2008	63.83%
SSC	State Board   2006	71.33%

## PROJECTS HANDLED

### Project 1

**Project Title** : Identification of Credit Card Defaulter Users

**Domain Type** : Finance

**Work Description:**

The goal of this project was to build a predictive model that could identify Credit Card Defaulter Users. Prior to modelling, the data was cleaned and EDA was conducted. After which, the data was pre-processed for the modelling. At the time of training, various models were applied and compared using F1 score and the ROC AUC score. After training the models were evaluated, and the best fitted model was selected. The final fitted model was XGBoost

**Roles and Responsibilities:**

- Involved in Understanding of project requirements.
- Worked with dataset for data pre-processing.
- Analysis, interpretation and eventually prediction using various Machine Learning Techniques.
- Performed Exploratory Data Analysis (EDA).
- Involved in Data cleaning processes as missing values treatment, Imbalanced data, outliers.
- Performed feature engineering, Encoding Techniques with Scikit learn pre-processing
- Built the Machine Learning models with Python Scikit-learn.
- Data modelling for new facts as per requirement.
- Used F1-score, Precision, Recall to evaluate model performance

### Project 2

**Project Title** : Sentiment Analysis of product Review

**Domain Type** : NLP / Document Classification

**Work Description:**

This project was aimed towards understanding the sentiment of customer reviews in different social media platforms. When customer likes and dislikes a product, it is highly likely that they post their review on social platforms. The objective was to build a model that was trained with the known positive and negative customer reviews about product. To accomplish this, we did Stop word removal, Normalization, Tokenization, Stemming, Punctuation removal and TFIDF.

**Roles and Responsibilities**

- Worked with dataset to understand the requirements.
- Involved in Text pre-processing techniques.
- Performed Exploratory Data Analysis (EDA).
- Involved in pre-processes such as stop word removal, Stemming, Lemmatization, Tokenization.
- Performed word embedding such as Bag of words, TFIDF, word2vec with NLTK.

## PERSONAL DETAILS

- Date of Birth : 1/1/1991
- Languages Known : English, Hindi, Marathi
- Current Address : A/P - Kallam, Tal - Kallam, Dist -Osamanabad
- Permanent Address : A/P - Kallam, Tal - Kallam, Dist - Osamanabad.
- Hobbies : Playing Chess, Cricket, Watching Suspense Thriller Movie's, Always Learning New Things
- Marital Status : Married