**VENKATSHIVA DURGA PRASAD. CHALLA**

**E-mail:** arunchalla.us@gmail.com **Mobile:** +91- 9347864115

**Career Objective:**

A proactive and fast learning individual seeking an opportunity to work as a dynamic data Scientist utilizing analytical & methodical skills and relevant expertise to help the company achieve business goals while sticking to vision, mission and values

**Professional Summary:**

* An analytical professional with total 2.7 years of experience as a **MACHINE LEARNING ENGINEER** and **DATA SCIENTIST**.
* 1.6 years of experience in Data Preparation, **Exploratory Data Analysis**, **Predictive modeling**, Statistics, **Machine Learning** Techniques, Python
* Work with large, complex data sets; solve difficult, non-routine analysis problems, applying advanced analytical methods as needed. Conduct end-to-end analysis that includes preparing and managing data for analysis
* Exposure to regression, classification and clustering techniques.
* Hands-on with data exploration and preparation such as good experience onUnivariate and Bi-variate Analysis, Outlier treatment Variable transformation and variable creation
* Data preprocessing techniques like handling missing data, categorical data (dummy variable handling), feature scaling.
* Experience in applying dimensionality reduction (feature selection and extraction) techniques like backward elimination, forward elimination **PCA (Principal component analysis)**, and Kernel PCA.
* Worked on python to build a model using various Machine Learning algorithms.
* Experience in applying Model Selection techniques like **k-Fold Cross Validation**.
* Establish scalable, efficient, automated processes for large scale data analyses, model development, model validation and model implementation.
* Skilled in **Tableau** Desktop for data visualization through various charts such as **bar charts**, **line charts, scatter plots, heat charts, pie charts** etc.
* Integration of Python with Tableau (scrape data from the web using python and visualize with Tableau).
* Exploratory Data Analysis with Tableau (Dashboard with **Histogram, Boxplots, Scatter plots** etc.)
* Communicate predictions and findings to Stakeholders through effective data visualizations and reports.

**Technical Skills:**

* Languages : Python (Sklearn, Matplotlib, Pandas, nltk), SQL, Basics in R
* Tools : Spyder, PyCharm, Jpyter, SQL plus.
* ETL Tools : Tableau
* Databases : SQL Server
* Operating Systems : Windows, Linux
* Statistical Concepts : Descriptive Stats, Inferential Stats, HypothesisTesting

**Education qualification**

* Bachelor of Technology from Jawaharlal Nehru Technological University, Kakinada in 2017.

**Professional Experience:**

**Wells Fargo**(May 2018 – present)

**PROJECTS:**

**Predicting risk factor for car insurance:**

* Exploratory data Analysis:
* Analyzing the data variables by understanding the domain
* Visualization techniques were applied
* Performing necessary tasks such as missing value treatment, outlier detection, scaling etc.
* Multi-collinearity issues taken care of using VIF techniques
* Statistical tests where used to check significance
* Modeled and Predicted using Random forest after trying out other algorithms such as:
* **SVM**
* **Random Forest**
* **Decision Tree**

**Credit card fraud detection:**

To detect fraudulent credit card transaction with the unbalanced data. Helps to combat fraud and to curtail loss for both customer as well as the financial institution.

* Performed exploratory data analysis and data preprocessing like scaling, feature selection.
* Handled imbalanced data using synthetic minority over sampling technique
* Using **logisticregression** algorithm, model has been created.
* The performance of the algorithm was evaluation using precision and recall curve

**Tech Mahindra**(June 2017 – May 2018)

**PROJECTS:**

**Customer segmentation:**

Recommending customers based on different clusters and suggesting new offers and products using K-Means clustering.

* Picking features based on the historical data, which will helpful for, predicting the customer choices and preferences.
* Based on elbow method we calculated number of clusters.
* Verified various cluster centers initialization techniques like random and K means ++.
* Using K-Means clustering technique we made customers into different segments on their age, gender, previous purchase we suggested new offers and products.

**EIS IT ORACLE SERVICES:**

**Responsibilities:**

* Database cloning for developing and testing purpose.
* Data refreshes using Traditional / Data pump in 10g and 11g databases.
* Working with online (development) team to resolve online issues within SLA
* Working with traditional and data pump utility for the selective data export

& import on Production/Dev/Val/Test on client/online team request basis.

**Environment:** SQL, Linux/Unix, Putty

**Declaration:**

I hereby declare that all the details furnished above are true to the best of my Knowledge. If given an opportunity I would perform up to the best of your expectations.

**Place** **:** Mumbai.

**Date** **:**

(Name)