**Ravuri Mahesh**

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**Career Objective**

To get a job in a well esteemed organization where I can utilize my skills effectively for the development of organization and to enhance my skills by working together with different kinds of professionals.

**Summary**

* A Proactive and Enthusiastic learner possessing overall 4.5 Years of work experience.
* Data Science aspirant with around 2 years of experience as Analyst and 2 .8 years of experience as Project Specialist in Flipkart. Includes knowledge of **Excel, R, Python, SQL, & Machine learning models.** Experienced with **Business Analysis, Statistical modelling, Report analysis, Client handling** & Business requirement gathering.
* Achieved data analysis & report generations of affiliate marketing department. Awarded Excellence in Business requirement gathering and influenced revenue up to 4% by streamlining processes.
* Equipped with **NLP, Numpy, Matplotlib, Pandas, Scikit,** Deep Networking algorithms like **ANN, CNN, RNN.**
* Knowledge on Big Data Hadoop, HDFS & MapReduce architecture, Hive, Pig & Sqoop.
* Have been involved in the development and upgrading of analytical techniques and database systems. Able to play a key role in analyzing problems and coming up with creative Business solutions.
* Practical exposure to Machine Learning, Deep Learning, Artificial Intelligence and Passionate about Data Science/Analytics, Web Framework, looking for a role in an organization to pursue career in the same.

**DATA SCIENCE PROJECTS**

**Project Name : “Virtual Assistants – Voice & Text Based Chat bot**

**Description :** We created different types of chatbots – both Text & Voice based , wherein our prime focus was to develop one on - premise chat bot framework using different Natural Language Understanding(NLU’s) which was later deployed on an android mobile app. I have even tried many different chatbot Frameworks available.

* **Technologies Used**: NLP, NLU, NLG , Neural Networks, Tensorflow
* **Languages Used**: Python.
* **Roles and Responsibilities**:-
* Data Pre-processing, Data Cleaning using various word cleaning methods.
* Created the user and bot conversation flow.
* Built various types of chatbots like Doctor appointment booking chatbot, HR Bot, PF & ESI Bot etc– both voice & text based.
* Explored various NLU’s for creating an understanding in the bot.
* Used various Python - Speech to Text & Text to Speech libraries along with many NLP libraries.
* *Created Flask Api to deploy model on server which was later integrated with Mobile App (Android & Ios)*

**Project Name : “ Predicting Customer Lifetime Value”**

**Description** : In this project we are expected to create an analytical and modelling framework to predict the customer lifetime value for an auto insurance company based on different quantitative and qualitative features provided.

* **Technologies Used :** Clustering, Linear Regression, Regularization, Decision Tree, Random Forest, KNN
* **Languages Used**  : Python, R
* **Roles and Responsibilities:**
* Interpret data by using Python, analyze results using statistical techniques.
* Performed data pre processing and feature engineering, in order to create new feature variables.
* Used different algorithms to build the predictive model.
* **Project Name : Stability Prediction(**Classification Problem)

**Description** : *The goal of this project is to predict whether the affiliate will sustain in business in next quarter.*

**Machine Learning models:** Logistic Regression, Decision Trees – C50, Random Forest

**Languages Used :** Python,R

* **Project Name : Used Vehicles Pricing Prediction (**Regression Problem)

Description:*The goal of this project is to predict the price of the used vehicles based on historical data*

Approach: **Data Pre-processing (Drop Attributes, Data Imputation), Model building,Linear Regression, Decision Trees, Random Forest)**

**Languages Used :** Python, R

* **Project Name : Bankruptcy Classification** (Classification Problem)

Description: *The goal of this project is to identify whether the company got bankrupt in the subsequent years or not*

Approach: **Data Pre-processing (Data Imputation), Model building (Logistic Regression, Decision Trees,   
 Random Forest, Ada Boost, XG-Boost)**

**Skills :**

**Analytical Skills :** Machine Learning Algorithms |Statistics & Probability | Methods & Algorithm | Text Mining |

Natural Language Processing (NLP) | Keras | Deep Learning |Image Processing| Excel | Neural Networks- ANN, CNN, RNN-LSTM| Regression | Classification

**Programming Skills :** Python | R

**Libraries Used** : Tensorflow, Keras, Numpy, Pandas, Scikit- Learn, NLTK, Spacy etc..

**Database Used** : SQL- Server , SQLite

**Web Framework** : Flask ( Build API’s )

**Professional Experience**

**Mattsen Kumar Services Pvt. Ltd. Client: FLIPKART**

***Projcet Specialist- Machine Learning* *| December 2018- Present***

* Creating the application on a tool called **CLARIFAI** based on the Ground Truths and model design documents.
* CLARIFAI is a tool which is built on ANN technique for image classification.
* Data Collection, Data Tagging, Data Balancing and identifying the trend of the data*.*
* Analyzing the model errors and fine tuning the model by identifying the trend*.*
* Calculating the evaluation metrics used to predict the images are **Precision** and **Recall**.
* Performed different Machine Learning models with respect to hyper parameter tuning.
* Documenting the data analysis for business presentation*.*

**Search2hired Online Services**

**ANALYST** | **August 2016- June 2018**

* Collected, categorized and Identified trends for the data.
* Generated dashboards with tableau & documented data analysis for the business presentation.
* Worked with Data distribution analysis, Feature Engineering & Correlation analysis.
* Performed different Machine Learning models with respect to hyperparameter tuning.
* Analyzed affiliates of varying sizes to determine the financial impact of business flows.
* Accountable for Market Research and Operational performance analysis.

**Educational Qualification**

* Post Graduate Program in **Big Data Analytics & Optimization** *Jul 2017 - Feb 2018*

*International School of Engineering (INSOFE), Bangalore*

* **Bachelor of Technology** (B. Tech) in Electronics *Sep 2012 – Apr 2016*

*Sreenivasa Institute of Technology and Management Studies, Chittoor, A.P.*

* **Intermediate** *May 2010 - Jun 2012*

*Madhu Vidyanikethan Jr. College, Palamaner, A.P.*

Signature