MULI VENKATA SRAVAN KUMAR REDDY
Machine Learning Data Associate

Kumarsravan595@gmail.com

8919169043

Hyderabad,Telanagana

linkedin.com/in/sravankumarreddy-skr

SKILLS

Statistics– Hypothesis testing, Probability theory, Time-series analysis.

Natural Language Processing: Lemmatization, Stemming, Sentiment Analysis, Word Embedding.

Machine Learning: Regression, Logistic Regression, Decision Trees, Naive Bayes, K-Means, K-Nearest Neighbors, PCA, SVMs, Neural Networks, Random Forests, Clustering Methods, Boosting and Bagging.

Deep Learning – Neural Networks, RNNs, CNNs.

Tableau – Data Visualization, Business Intelligence, Forecasts, Tables, Charts, Dashboards.

Programming Languages – R, Python, Java

LANGUAGES

- English
- Telugu
- Hindi

STRENGTHS

Exceptional leadership qualities.

Strong decision making and analytical skills.

Excellent communication and writing skills.

Well organized and easily meets deadlines.

Innovative Thinking

OBJECTIVE

I am a hard-working and committed individual with a strong focus on achieving personal goals and succeeding in a professional and challenging business environment and I'm eager to leverage machine learning and data analytics to extract meaningful insights, make informed decisions and solve challenging business problems.

EDUCATION

- **M.Tech** (Construction Technology and management) from KL University in 2018 with **96.80%**.
- **B.Tech** (Civil Engineering) from AITS (Autonomous) in 2016 with **74.38%**.
- **Intermediate** (M.P.C) from Naryana Jr. College in 2012 with **86.60%**.
- **S.S.C** from Little flower English medium school in 2010 with **86.50%**.

PROFILE

Amazon

Machine Learning Data Associate ***2018 - till***

- Data Analyst with 1.3 years of total experience in the area of Supervised and Unsupervised Classification Techniques, Data Analysis and NLP.
- Experience on Data Cleaning, Analyzing of data and predicting information using various models.
- Good work ethics with nice communication and interpersonal skills.
- Awarded with certification for two times for best performance for the whole month.

Work Responsibilities

- Analysis of Alexa AI data using various data science predicting models in Natural Language Processing and Naïve Bayes Classification.
- Cleaning of Corpus to understand business requirement using EDA, Stemming and Lemmatization.
- Coming out with most words used by the users for categorizing with Domain, Intents etc.
- To classify the Goal categories of the users.

PROFESSIONAL EXPERIENCE

Amazon - Alexa Data Services (Sep 2018 – Till)

Project: Information Retrieval using NLP

Business Objective: Based on the data given by the clients consists of commands, Text mining is done on the commands to extract most common words, stop words, Number of words, Tokenization, Lemmatization, TF for Domains, Intents, Goal categories etc., processed to clients to do f

Tools: Spyder.

Python Libraries: Pandas, Numpy, NLTK, TextBlob, Sklearn, Matplotlib, Seaborn.

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LINKS

Github:
https://github.com/sravankumarreddy9

LinkedIn:
https://www.linkedin.com/in/sravankumarreddy-skr/
P.S.: Links for the projects I have done.

Project1:

https://github.com/sravankumarreddy9/Data-Science-Project-Rshiny-app

Project2:

https://github.com/sravankumarreddy9/Twitter-tweets-analysis-Kaggle-competition-

Techniques:

- Techniques used are NLP, DT, KNN and Naïve Bayes classification.
- Steps followed are Basic Feature Extraction, Basic Text Pre-Processing, Advanced Text Processing, Modelling with Whoosh, Interface created with Flask.
- Basic Feature Extraction & Basic Text Pre-Processing includes Lower Casing, Removal of Punctuation, Stopwords, Special Characters, Spelling corrections, Tokenization, Stemming and Lemmatization.
- Advanced Text processing includes N-grams, TF-IDF and Sentiment Analysis.
- Sentiment analysis and word clouds is applied on the clean corpus.
- Data is analyzed with classification models.
- Creating interface using Flask to search using word from corpus.

Projects (EXCELR INSTITUTION):

Project 1: Finding best fitted model for the PMSM dataset.
Tools: R, Python
Objective: To find out how independent variables effecting target features and build models with best accuracy.
Algorithms: Linear Regression, XGB Regressor, Neural Networks, Decision Tree, Random Forest, Rules System, Bagging, Gradient Boosting.
Description:

- Dataset consists of 1 million rows.
- Worked as an intern on an independent project a Company, for a duration of 3 months. It involved Exploratory and Descriptive Analysis of data involved temperatures recordings, torque of the motor and deriving meaningful insights from it.
- Data is continuous.
- Performed EDA.
- Built Various regression models such as Simple Linear Regression, Mutli-Linear Regression, Decision Tree Regression, Random Forest Regression, XGboost, Polynomial Regression, Gradient Boost, Neural Networks.
- Come out with best fit model and submitted to the client.
- Deployed Rshiny model for one of performed algorithm using Rshiny.

Outcome: Accuracy is 1 for XGB Regressor.

Project 2: Twitter Tweets analysis (From Competition of Kaggle)
Tools: ***Python***
Objective: To classify the tweets whether they are real disaster or not by 0 and 1.
Algorithms: Logistic Regression. Packages- NLTK, Tokenizer, word cloud, TFIDF.

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Description:

- To find whether tweet is real disaster or not 1 is for disaster and 0 is for not.
- Performed EDA.
- Build a model and final output is stored as csv and submitted to Kaggle submissions for score.

Outcome:

- Accuracy is 0.73.

M.Tech (Scopus Published)

AN ANALYTICAL APPROACH FOR EVALUATION OF RESOURCES MANAGEMENT IN CONSTRUCTION INDUSTRY : A MODEL STUDY.

B.Tech

A STUDY ON MECHANICAL PROPERTIES OF CONCRETE USING FERROUS SLAG AS PARTIAL REPLACEMENT TO FINE AGGREGATE.

Certifications:

- Data Science Course Certification from ExcelR institution.
- 3 months Internship Certificate from ExcelR institution.
- Machine Learning A-Z course certification by Kirill Eremenko from Udemy.
- The Data Science course certification by 365 careers from Udemy.
- Selenium WebDriver with java – Basics to Advanced + Frameworks certification by Rahul Shetty from Udemy.

Personal Details:

Name	M. Venkata Sravan Kumar Reddy
D.O.B	03 June 1995
Gender	Male
Address for Correspondence	Pride homes mens hostel, Indira Nagar, Gachibowli, Hyderabad, Telangana, 500032
Permanent Address	M. Venkata Sravan Kumar Reddy S/o M.venkata Balireddy D NO: 1/2532, ligh-2, APHB Colony, Kadapa, Andhra Pradesh, India, 516001

Declaration

I, M. Venkata Sravan Kumar Reddy, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

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M. Venkata Sravan Kumar Reddy