

Vaishnavi Kandukuri

Programmer



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Hyderabad

Summary

Data Specialist with hands on experience of 2 years in Python, SQL and Machine Learning. Experienced in Preprocessing data, finding patterns and building Machine Learning Models. Self Motivated and goal oriented individual with good communication and Problem solving skills. Looking for opportunities to enhance and use my skills for the organization

Education

2020

BACHELOR OF SCIENCE
(MATHS, STATISTICS, COMPUTER
SCIENCE)
BHAVANS VIVEKANANDA COLLEGE

Expertise

- Python
- Numpy
- Pandas
- Matplotlib
- Seaborn
- MYSQL
- Supervised Machine Learning
- Unsupervised Machine Learning
- SDLC
- Data Preprocessing
- Statistical Analysis

Experience

2020 Nov-Present

Cognizant Technology Solutions

PROGRAMMER(DATA SPECIALIST)

Drive Safe Prediction: (Automobile Industry)

Objective:

Our goal is to predict a binary outcome of 1, to indicate safe driver, or 0, to indicate that the drivers' data needs a review.

Approach :

Performed Data Analysis and Preprocessing.

Since Target Variable class is imbalanced applied RandomOverSampler method to balance the class .

Performed PCA to reduce dimensions

Applied Classification Machine Learning models, and got 82 % accuracy for Random Forest ML Model.

Have done Hyperparameter tuning for Random Forest ML model and got accuracy of 84%

Cardio Vascular Disease Prediction (Health care):

Objective :

The objective of this research is to build classifiers to predict whether a person has cardiovascular disease based on their medical test, age, and gender also also to identify which test is more reliable in determining cardiovascular disease.

Approach :

Performed EDA and Preprocessing on the Dataset

Applied Boosting Algorithms and classification models and got 87% accuracy for Decision Tree Machine Learning Model

IOT Climate Monitor:

Objective :

To find the temperature trend as per seasons / month and forecasting future temperature

Approach :

It is a small module of Environment/Climate monitoring. We have the temperature monitoring devices installed outside and inside of an research test room. Because the device was in testing in testing phase, it was uninstalled or shut off several times during the entire reading period, which caused some outliers/missing values .

So have performed data preprocessing and data analysis and applied Linear Regression model .

Academy Projects:**Teen Market Segmentation (Marketing and Analysis) :****Objective:**

To identify segments of teenagers who share similar tastes, so that clients can avoid targeting advertisements to teens with no interest in the product being sold.

Approach :

To load data into Python, Preprocess, clean and feature engineer.

To make the unstructured data into useful data for analyzing.

To form clusters using K-means and hierarchical clustering, and find the patterns, insights of the data.

Academy Projects:**Wine Quality Prediction :****Objective:**

In industries, understanding the demands of wine safety testing can be a complex task for the laboratory with numerous analytes and residues to monitor. But, our application's prediction, provide ideal solutions for the analysis of wine, which will make this whole process efficient and cheaper with less human interaction

Approach:

Preprocessed ,cleaned and feature engineered on the data .

Applied all the classifications models, got better accuracy for Random forest Machine Learning Model with accuracy of 85%.

Have Performed Hyperparameter Tuning to get better accuracy .

Interests:

- Cooking
- DIY Art
- Volunteering and community involvement