

P. Harinadh Reddy

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**Git-Hub** : <https://github.com/HarinadhReddy1/Project1.git>

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## SUMMARY

To be an integral part of a work environment where I could utilize my knowledge of various tools like Python, SQL, Statistical analysis to solve Business challenges this would help us grow mutually and my communication skills would help me to be collaborative and working together well as a team player. Value oriented individual, with great interest in understanding and driving varied data sets.

## Technical Skills

Python (Intermediate), Machine Learning (Supervised/Unsupervised learning, Linear/Logistic regression, Classification, Decision tree, SVM, Random Forest), HIVE, PIG, SQL (Functions, Joins, DDL, DML, DCL, TCL, DQL), Excel (Intermediate), Tableau, Neural Networks, Deep Learning (ANN, CNN, RNN, LSTM, GRUs, BERT).

## PROJECTS

### Twitter-US-Airline-Sentiment Analysis

This dataset mainly deals with how customers are feeling about their airline services. In this airline services utilized twitter. On twitter, customers of airline services can tweet their opinions about their experience in flight travel. This social media has a lot of information about airline services. This tweet is collected and explores the sentimental analysis about the airline services to track customer satisfaction reports and discover location of the customer. Using this dataset mainly analyzed best and worst airlines and also to predict the most common issues occurring in airline services. Analyzed dataset and predicted and predicted positive and negative feedbacks and visualized using graphical analysis.

Divided data set into train and test datasets trained the train dataset using different models like logistic regression classifier, KNeighbors classifier, SVC, Decision Tree Classifier, Random Forest classifier, AdaBoost classifier and GaussianNB. The results of our experiments demonstrate that the Random forest approaches a good score of accuracy.

**Git-Hub Link:** <https://github.com/HarinadhReddy1/Time-Series-/blob/pharma-time-series/aug%20assignment.ipynb>

### Bangalore House Price Prediction

Domain – Real estate

Data set source – kaggle

Algorithms – Linear Regression

The data set contains the information for various houses in Bangalore. The aim of this project is to predict housing prices in Bangalore, by comparing Housing Prices for a locality using many factors that affect the price of the house. Key high light includes:

Data extraction and cleaning – Missing value analysis and treatment, handling outliers.

Exploratory data analysis

Building correlation matrix

Used Linear Regression to train the model

**Git-hub link:** <https://github.com/HarinadhReddy1/Project1.git>

Tools and Technologies: Python, Jupyter.

### Pharma sales data (Time series analysis)

This dataset collected using url: <https://www.kaggle.com/milanzdravkovic/pharma-sales-data?select=salesdaily.csv>

Time series analysis deals with the time series data. In time series analysis we analyzed trend based on monthly sales of the drugs. Seasonality can be used to help analyze sales and economic trends. Industries are use seasonality to help determine certain business decisions such as inventories and staffing. Seasonal or short-term cycles are explained clearly by plot diagrams. Sales of N02BE sales are high in every year. Sales of N05C sales is less compared to total count of all drugs. Here considered the average value of 100 day sales or monthly mean value for plotting the graphs due to huge data. For time series analysis plotted the graphs based on monthly, weekly and yearly. Analyses dataset by plotting Autocorrelation and Partial

Autocorrelation functions

Estimated the dataset using Autoregressive, Moving Average & differencing degrees.

Model: Autoregressive, Moving Average, and fit the Arima model

**Git-Hub Link:** <https://github.com/HarinadhReddy1/Time-Series-/blob/pharma-time-series/aug%20assignment.ipynb>

### Credit Risk Analysis (EDA & Predictive Modeling)

Domain – BFSI

Data set source – Kaggle

Algorithms – Logistic regression, SVC.

The dataset we're going to use creditcard.csv which basically a credit card transactions in the past. Using an encoder- decoder system we will find the hidden data points and apply a linear classifier to detect the Fraud (1) or Genuine/not-fraud (0) credit card:

- Data extraction and cleaning – Missing value analysis and treatment, handling outliers.
- Feature Extraction – Casting continuous variables to numeric (Mapping, finding correlation).
- Exploratory data analysis – Transformation.
- Fitting models – Logistic regression, SVC.
- Also implemented cross validation.

## **Mall Customer Data Segmentation**

Domain – Retail

Algorithms – KNN

The dataset consisted of customer id, transaction date and transaction amount. The main aim was to find the customers who did regular shopping at a particular store.

Tools and Technologies: Python, Jupyter.

**Note:** I did many case studies and assignments related to data science in Applied AI Course (AAIC). Presently I am solving deep learning assignments in AAIC.

## **QUALIFICATION**

Pursuing Online **Post Graduate Diploma** in Applied AI Course.

Completed graduation in **Electrical Engineering** from JNTU Anantapur with **65.6%**.

Completed **Plus Two** From Board of Intermediate Education, Andhra Pradesh in Yogananda Junior College with **82.3%**.

Completed **SSC** in Viswabharathi High School with **82%**.

## **HONORS AND AWARDS**

I completed the Post Graduation Program (PGP) in Kelly Technologies.

Feel free to learn online udemy courses for Python, Course during 2019.

## **PERSONAL TRAITS**

- Goal Oriented.
- Enthusiastic & Flexible to work anywhere.
- Leadership qualities and motivating nature.
- Good at Teamwork but also a self-starter who can work individually.

## **PERSONAL DETAILS**

- Name : P. Harinadh Reddy
- Father Name : P. Govinda Reddy
- Date of birth : 10<sup>th</sup> march 1998
- Gender : Male
- Nationality : Indian
- Linguistic Capabilities : English, Telugu
- Residential Address : H.No: 6/78, Kondaiahgaripalli (v), Chowdepalli(md), Chittoor (Dt), AP, 517247.

## **DECLARATION**

I hereby declare that the information furnished above is completely true as of my knowledge.

Place: Bangalore

(P. Hariandh Reddy)