

## KIRAN SHANKAR BHAT R

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Coming from Mechanical Engineering background, I have solid understanding of machine learning and deep learning algorithms, time series and NLP. I am passionate to work in ML and DL and motivated to enter artificial intelligence.

### **EDUCATION:**

Course	Specification	Institution & University	Year of passing	Percentage
B.E	Mechanical Engineering	S J B Institute of Technology, Bangalore. (V T U, Belagam)	2018	60.29%
PUC	Science	PES Pre-University College. (Pre-University Board of Karnataka)	2014	65.5%
SSLC	State Board	Sri Adichunchanagiri High School. (Karnataka Secondary Education Examination Board)	2012	63.04%

### **COURSE DETAILS:**

- Completed the certification course on Data Science from Simplilearn.
- Completed the certification course on Machine Learning from Simplilearn.
- Completed the certification course on Deep Learning with Keras and Tensorflow from Simplilearn.

#### **Certificate GitHub Link:**

<https://github.com/Kiranshankarbhat007/Certificates.git>

### **TOOLS AND TECHNIQUES:**

#### **Tools:**

JupyterNoteBooks, Google Colab, Azure Notebooks, VScode.

#### **Techniques:**

Regression, Classification, Clustering, Data Visualizations, Anomaly Detection, Ensemble Learning, Image Classification, Sentiment Analysis, Feature Engineering, Feature Scaling, Feature Selection, Label encoding, etc.

#### **Packages:**

Python: Sklearn, Scipy, Numpy, Pandas, Matplotlib, Seaborn, NLTK, Kmeans, Statsmodels.

## **PROJECTS:**

### **Project 1: Mercedes-Benz Testing Time Consumption.**

This is Regression problem where we have to predict the time taken for a Mercedes-Benz car for overall testing process before hitting the road. To ensure the safety and reliability of each and every unique car configuration before they hit the road, Daimler's engineers have developed a robust testing system and they want to optimizing the speed of their testing system for so many possible feature combinations is complex and time-consuming without a powerful ML algorithmic approach. The dataset representing different permutations of Mercedes-Benz car features to predict the time it takes to pass testing.

### **Project 2: Amazon Review Sentiment Analysis.**

Sentiment analysis by classifying the text to check whether the customer is happy or not. Sentiment analysis using Amazon's Reviews given by the Amazon users on the products purchased by the amazon customer. This data is real business data with all the info like name of customer, user\_id of a customer and many more with 1 to 5 rating and the reviews on specific products. This dataset consists of a few million Amazon customer reviews (Text) and star ratings (Score) for learning how to train Reviews.csv for sentiment analysis. The idea here is a dataset is more than a toy - real business data on a reasonable scale.

\* We are actually predicting the sentiment of a customer by classifying the review text to class 1 or 0, 1 means Happy, 0 means Not happy.

### **Project 3: Pet Classification Model Using CNN.**

Build a CNN model that classifies the given pet images into dog and cat images. We have the different images of the cats and dogs and by using those images we have to classify the image correctly as cat and dog. In the future if we feed a image to our model it must classify the image correctly as cat or dog. We can train this model for any image classification other than cat and dog.

\* It is a CNN model with some hidden layers and activation functions.

\* We created some more images using 'ImageDataGenerator' by slipping, rotating, shading and other operation, so that we can classify any type of image in the future.

\* As the model trains on more no of data it will give more accurate prediction.

## **Others Projects:**

[https://github.com/Kiranshankarbhat007/Project\\_Portfolio.git](https://github.com/Kiranshankarbhat007/Project_Portfolio.git)

## **Declaration:**

I hereby declare that the above information is correct and true to the best of my knowledge and belief.

Place: Bengaluru

(Kiran Shankar Bhat R)

Date: