

Data Science

Free Courses



Mechanizing Learning Tutorials

D C Tutorials

A BigData

Scala Data Types Tutorials

P. Anthony Tutorials

Python for Data Science: A Comprehensive Tutorial

— BioTutorialsTutorials

Spiegelgürtel und Faltschürzen

SQLx&TNoSigls

Appendix B: Additional Materials

JavaTutorialsTutorials

Quick and Easy to Use Trials

AntonijsTutorials

MongoDB Tutorials

SAS Tutorials

SAP HANA Tutorials

AI Tutorials

with
95%
Accuracy
using

CNN ?

Keras

***Free Python
course with 57
real-time projects
- [Learn Python
in Hindi](#) | [Learn
Python in
English](#)***

Python Project – Traffic Signs Recognition

You must have heard about the self-driving cars in which the passenger can fully depend on the car for traveling. But to achieve level 5 autonomous, it is necessary for vehicles to understand and follow all traffic rules.

In the world of Artificial

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

Intelligence and advancement ... technologies, many researchers and big companies like Tesla, Uber, Google, Mercedes-Benz, Toyota, Ford, Audi, etc are working on autonomous vehicles and self-driving cars. So, for achieving accuracy in this technology, the vehicles should be able to interpret traffic signs and make decisions accordingly.

This is the 8th project of DataFlair's series of 20 Python projects. I recommend you to bookmark the previous projects:

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

1. [Fake News](#)

[Detection](#)

[Python](#)

[Project](#)

2. [Parkinson's](#)

[Disease](#)

[Detection](#)

[Python](#)

[Project](#)

3. [Color](#)

[Detection](#)

[Python](#)

[Project](#)

4. [Speech](#)

[Emotion](#)

[Recognition](#)

[Python](#)

[Project](#)

5. [Breast](#)

[Cancer](#)

[Classification](#)

[Python](#)

[Project](#)

6. [Age and](#)

[Gender](#)

[Detection](#)

[Python](#)

[Project](#)

7. [Handwritten](#)

[Digit](#)

[Recognition](#)

[Python](#)

[Project](#)

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

8. [Chatbot](#)

[Python](#)

[Project](#)

9. [Driver](#)

[Drowsiness](#)

[Detection](#)

[Python](#)

[Project](#)

10. Traffic Signs

Recognition

Python

Project

11. [Image](#)

[Caption](#)

[Generator](#)

[Python](#)

[Project](#)

What is Traffic Signs Recognition?

There are several different types of traffic signs like speed limits, no entry, traffic signals, turn left or right, children crossing, no

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

passing of heavy vehicles, etc.

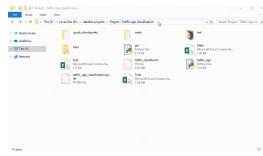
Traffic signs classification is the process of identifying which class a traffic sign belongs to.

Traffic Signs Recognition – About the Python Project

In this Python project example, we will build a deep neural network model that can classify traffic signs present in the image into different categories. With this model, we are able to read and understand

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

traffic signs
which are a very
important task for
all autonomous
vehicles.



The Dataset of Python Project

For this project,
we are using the
public dataset
available at
Kaggle:

[Traffic Signs Dataset](#)

The dataset
contains more
than 50,000
images of
different traffic
signs. It is further
classified into 43
different classes.
The dataset is
quite varying,

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

some of the classes have many images while some classes have few images. The size of the dataset is around 300 MB. The dataset has a train folder which contains images inside each class and a test folder which we will use for testing our model.



Prerequisites

This project requires prior knowledge of Keras, Matplotlib, Scikit-learn, Pandas, PIL and image classification.

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

To install the necessary packages used for this Python data science project, enter the below command in your terminal:

```
1. pip install tensorflow keras sklearn matplotlib panda
```

**Want to become
a pro in Python?**

Check out [270+ Free Python Tutorials](#)

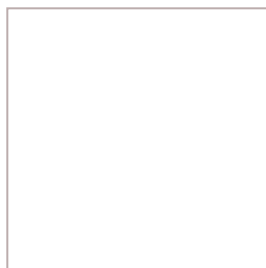
Steps to Build the Python Project

To get started with the project, download and

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

unzip the file
from this link
[Traffic Signs
Recognition Zip
File](#)

And extract the
files into a folder
such that you will
have a train, test
and a meta folder.



Create a Python
script file and
name it
traffic_signs.py
in the project
folder.

Our approach to
building this
traffic sign
classification
model is
discussed in four
steps:

- Explore the
dataset

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

- Build a CNN model
- Train and validate the model
- Test the model with test dataset

Step 1: Explore the dataset

Our 'train' folder contains 43 folders each representing a different class. The range of the folder is from 0 to 42. With the help of the OS module, we iterate over all the classes and append images and their respective labels in the data and labels list.

The PIL library is used to open image content into an array.

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

Finally, we have stored all the images and their labels into lists (data and labels).

We need to convert the list into numpy arrays for feeding to the model.

The shape of data is (39209, 30, 30, 3) which means that there are 39,209 images of size 30×30 pixels and the last 3 means the data contains colored images (RGB value).

With the sklearn package, we use the `train_test_split()` method to split

training and
testing data.

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

From the
keras.utils
package, we use
to_categorical
method to
convert the labels
present in y_train
and t_test into
one-hot encoding.

Step 2: Build a CNN model

To classify the
images into their
respective
categories, we
will build a CNN
model
([Convolutional
Neural Network](#)).
CNN is best for
image
classification
purposes.

The architecture
of our model is.

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

- 2 Conv2D layer (filter=32, kernel_size=(5,5), activation="relu")
- MaxPool2D layer (pool_size=(2,2))
- Dropout layer (rate=0.25)
- 2 Conv2D layer (filter=64, kernel_size=(3,3), activation="relu")
- MaxPool2D layer (pool_size=(2,2))
- Dropout layer (rate=0.25)
- Flatten layer to squeeze the layers into 1 dimension

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

- Dense Fully connected layer (256 nodes, activation="relu")
- Dropout layer (rate=0.5)
- Dense layer (43 nodes, activation="softmax")

We compile the model with Adam optimizer which performs well and loss is "categorical_crossentropy" because we have multiple classes to categorise.

Steps 3: Train and validate the model

After building the model architecture, we then train the

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

model using `model.fit()`. I tried with batch size 32 and 64. Our model performed better with 64 batch size. And after 15 epochs the accuracy was stable.

Our model got a 95% accuracy on the training dataset. With `matplotlib`, we plot the graph for accuracy and the loss.

Plotting Accuracy

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

Accuracy and Loss

Graphs

Step 4: Test our model with test dataset

Our dataset contains a test folder and in a test.csv file, we have the details related to the image path and their respective class labels. We extract the image path and labels using pandas. Then to predict the model, we have to resize our images to 30×30 pixels and make a numpy array containing all image data. From the sklearn.metrics,

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

we imported the
accuracy_score
and observed
how our model
predicted the
actual labels. We
achieved a 95%
accuracy in this
model.

In the end, we are
going to save the
model that we
have trained
using the Keras
model.save()
function.

```
1. model
```

Full Source code:

```
1. impo
2. impo
3. impo
4. impo
5. impo
6. from
7. impo
8. from
   train
9. from
```

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

```

10. from
    load
11. f
    Dense
12.
13. data
14. labe
15. clas
16. cur_
17.
18. #Ret
19. for
20.
    os.pa
21.
22.
23.
24.
25.
    a)
26.
27.
28.
29.
30.
31.
32.
33.
34. #Con
35. data
36. labe
37.
38. prin
39. #Spl
40. X_tr
    train
    rando
41.
42. prin
    y_tra
43.
44. #Con
45. y_tr
46. y_te
47.
48. #Bui
49. mode
50. mode
    (5,5)
    input
51. mode
    (5,5)
52. mode
53. mode

```

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

```
54.     mode
55.     3)  a
56.     m
57.     3), a
58.     mode
59.     mode
60.     mode
61.     mode
62.
63.     #Com
64.
65.     model
66.     optim
67.     epoc
68.     hist
69.     batch
70.     (X_te
71.     mode
72.
73.     #plo
74.     plt.
75.     plt.
76.     label
77.     plt.
78.     label
79.     plt.
80.     plt.
81.     label
82.     plt.
83.     label
84.     plt.
85.     plt.
86.     plt.
87.     plt.
88.
89.     #tes
90.     from
91.
92.     y_te
93.
94.     labe
95.     imgs
96.
97.     data
98.
```

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

```
99.         for
100.
101.
102.
103.
104.     X_te
105.
106.     pred
107.
108.     #Acc
109.     from
110.     prin
111.
112.     mode
```

***WAIT! Have you
checked our
latest [tutorial on
OpenCV &
Computer Vision](#)***

Traffic Signs Classifier GUI

Now we are going to build a graphical user interface for our traffic signs classifier with Tkinter. Tkinter is a GUI toolkit in the standard python library. Make a new file in the project

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

folder and copy
the below code.

Save it as gui.py
and you can run
the code by
typing python
gui.py in the
command line.

In this file, we
have first loaded
the trained model
'traffic_classifier.h5'
using Keras. And
then we build the
GUI for
uploading the
image and a
button is used to
classify which
calls the
classify()
function. The
classify()
function is
converting the
image into the
dimension of
shape (1, 30, 30,
3). This is
because to predict
the traffic sign
we have to
provide the same

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

dimension we have used which is 28x28. After building the model. Then we predict the class, the `model.predict_classes(image)` returns us a number between (0-42) which represents the class it belongs to. We use the dictionary to get the information about the class. Here's the code for the `gui.py` file.

Code:

```

1.  import
2.  from
3.  from
4.  from
5.
6.  import
7.  #load
8.  from
9.  model
10.
11.  #dictionary
12.  class
13.
14.
15.
16.
17.
18.
19.

```

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

20.
21.
22.
23.
24.
25.
26.
27.
28.
29.
30.
31.
32.
33.
34.
35.
36.
37.
38.
39.
40.
41.
42.
43.
44.
45.
46.
47.
48.
49.
50.
51.
52.
53.
54.
55.
56.
57.
58.
59.
60.
61.
62.
63.
64.
65.
66.
67.
68.
69.
70.
71.
72.

```
#ini
top=
top.
top.
top.
top.
labe
('ari
sign
def
```


Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

```
73.
74.
75.
76.     def
77.
78.     Image
79.     foreg
80.
81.     def
82.
83.
84.
85.     (top.
86.
87.
88.
89.
90.
91.
92.
93.
94.
95.     uplo
96.     image
97.     uplo
98.     foreg
99.
100.     uplo
101.     sign
102.     labe
103.     head
104.     font=
105.
106.     headi
107.     head
108.     top.
```

Output:

Summary

y

In this Python project with source code, we have successfully classified the traffic signs classifier with 95% accuracy and also visualized how our accuracy and loss changes with time, which is pretty good from a simple CNN model.

Time to become the next Python developer

Enroll for the [Python Online Course](#) at DataFlair now!

If you liked the Python project on traffic signs classification, do share it on social

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

media with your friends and colleagues. For more projects like this, keep visiting DataFlair.

Did you know we work 24x7 to provide you best tutorials

Please encourage us - write a review on [Google](#) and Follow us on [YouTube](#)

Tags:

- Advanced python project
- Python machine learning project
- Python project
- python project with source code
- Traffic signs recognition

**106
RESPONSES**

 **Comments 18**

 **Pingbacks 0**

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

sai

🕒 May

2022 at 6:31pm

I am

getting this

error can

anyone

help me

Traceback

(most

recent call

last):

File

"C:\Users\rsais\Traffic

sign

classification_final\Traffic

sign

classification\gui.py",

line 7, in

from

keras.models

import

load_model

File

"C:\Users\rsais\AppData\Local\Programs\Python\Python39\lib\site-packages\keras__init__.py",

line 20, in

from .

import

initializers

File

"C:\Users\rsais\AppData\Local\Programs\Python\Python39\lib\site-packages\keras\initializers__init__.py",

line 124, in

populate_deserializable_objects()

File

"C:\Users\rsais\AppData\Local\Programs\Python\Python39\lib\site-

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

packages\keras\initializers__init__.py”,
line 82
populate_deserializable_objects
generic_utils.populate_dict_with_module_objects(
AttributeError:
module
‘keras.utils.generic_utils’
has no
attribute
‘populate_dict_with_module_objects’

[Reply](#)

Talha

🕒 [June 28,](#)
[2022 at](#)
[12:33 pm](#)

what the
purpose of
meta folder
and csv
files?

[Reply](#)

Abhinav

kotnala

🕒
[October](#)
[15,](#)
[2022 at](#)
[7:25](#)
[am](#)

It
contains
the
data.

[Reply](#)

Talha

🕒 [June 28,](#)
[2022 at](#)

[12:39 pm](#)

please
share the
link to the
video if
you have

[Reply](#)**neon**🕒 [July 18,](#)[2022 at](#)[12:33 pm](#)

Getting this
error when
running the
GUI

application

C:\Users\kidcannabis420\Project>python

gui.py

2022-07-18

09:52:41.869882:

W

tensorflow/stream_executor/platform/default/dso_loader.cc:64]

Could not

load

dynamic

library

'cudart64_110.dll';

dLError:

cudart64_110.dll

not found

2022-07-18

09:52:41.870217:

I

tensorflow/stream_executor/cuda/cudart_stub.cc:29]

Ignore

above

cudart

dLError if

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

you do not

have a

GPU set up

on your

machine.

2022-07-18

09:52:51.095900:

W

tensorflow/stream_executor/platform/default/dso_loader.cc:64]

Could not

load

dynamic

library

‘nvcuda.dll’;

dlerror:

nvcuda.dll

not found

2022-07-18

09:52:51.096435:

W

tensorflow/stream_executor/cuda/cuda_driver.cc:263]

failed call

to cuInit:

UNKNOWN

ERROR

(303)

2022-07-18

09:52:51.127466:

I

tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169]

retrieving

CUDA

diagnostic

information

for host:

DESKTOP-

OLSKNHA

2022-07-18

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

09:52:51.128581:
I
tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176]
hostname:
DESKTOP-
OLSKNHA
2022-07-18
09:52:51.131056:
I
tensorflow/core/platform/cpu_feature_guard.cc:193]
This
TensorFlow
binary is
optimized
with
oneAPI
Deep
Neural
Network
Library
(oneDNN)
to use the
following
CPU
instructions
in
performance-
critical
operations:
AVX
AVX2
To enable
them in
other
operations,
rebuild
TensorFlow
with the

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

appropriate

compil

flags.

Someone

help

[Reply](#)

neon

🕒 [July 18,](#)

[2022 at 5:53](#)

[pm](#)

Someone

who has

successfully

run this

kindly

hmu,

thanks.

[Reply](#)

jis

🕒 [October](#)

[4, 2022 at](#)

[7:41 pm](#)

while

training

getting

error,

Traceback

(most

recent call

last):

File

“traffic_sign.py”,

line 108, in

#Accuracy

with the

test data

AttributeError:

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

‘Sequential’
object
no attribute
‘predict_classes’

can anyone
help to
resolve it

did anyone
got this
error

[Reply](#)

Denis

🕒
[November](#)
[6, 2022 at](#)
[2:14 pm](#)

you
have
to
use
‘predict’
method
instead
of
‘predict_classes’

[Reply](#)

Nick F

🕒 [October](#)
[20, 2022 at](#)
[1:32 am](#)

predoct_class
has been
deprecated
in recent
versions of
Keras.
Replace

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

that line

with:

```
model.predict_classes(X_test)
```

[Reply](#)

mike

🕒

[November](#)

[13, 2022](#) at

[6:58 pm](#)

i faced this

error after

uploading a

photo and

clicking

classify

image :

Exception

in Tkinter

callback

Traceback

(most

recent call

last):

File

“C:\Users\T\anaconda3\lib\tkinter__init__.py”,

line 1892,

in __call__

return

self.func(*args)

File

“C:\Users\T\AppData\Local\Temp\ipykernel_191852\1463066544.py”

line 77, in

classify_b=Button(top,text=”Classify

Image”,command=lambda:

classify(file_path),padx=10,pady=5)

File


“C:\Users\T\AppData\Local\Temp\ipykernel_191852\1463066544.py”

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+


line 72, in
classif
sign =
classes[pred+1]
TypeError:
unhashable
type:
'numpy.ndarray'
what
should i do

[Reply](#)

emircan


[November](#)
[22, 2022](#)
[at 5:04](#)
[pm](#)
same
error
showing,
did
you
fixed
[Reply](#)

Vasanth


[March](#)
[17,](#)
[2023](#)
[at](#)
[2:51](#)
[pm](#)
For
model.predict_classes(X_test)
Instead
use
np.argmax(predict_x,axis=1)

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

[Reply](#)

reCAPTCHA



[November](#)

[17, 2022 at](#)

[11:48 pm](#)

same error

showing...

what to

do??

[Reply](#)

edwin

farro



[November](#)

[18, 2022 at](#)

[10:14 am](#)

Exception

in Tkinter

callback

Traceback

(most

recent call

last):

File

“C:\Program

Files\WindowsApps\PythonSoftwareFoundation.Python.3.10_3.10.228

line 1921,

in __call__

return

self.func(*args)

File

“e:\CURSOS

UTP\SEGUNDO

CICLO\INNOVACION

Y

TRANSFORMACION

DIGITAL\PROYECTOS

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

EN

PYTH

de Señales

de

Tránsito\gui.py”,

line 79, in

classify_b=Button(top,text=”Clasificar

imagen”,command=lambda:

classify(file_path),padx=10,pady=5)

File

“e:\CURSOS

UTP\SEGUNDO

CICLO\INNOVACION

Y

TRANSFORMACION

DIGITAL\PROYECTOS

EN

PYTHON\Reconocimiento

de Señales

de

Tránsito\gui.py”,

line 72, in

classify

pred =

model.predict_classes([image])

[0]

AttributeError:

‘Sequential’

object has

no attribute

‘predict_classes’

Alguien me

puede

ayudar con

este error

[Reply](#)

emircan



[22, 2022](#)

[at 5:03](#)

[pm](#)

you

should

write

‘predict’

only,

not

‘predict_classes’

[Reply](#)

mostafa

[December](#)

[18, 2022](#) at

[1:13 am](#)

ValueError:

Classification

metrics

can’t

handle a

mix of

multiclass

and

continuous-

multioutput

targets

[Reply](#)

mima

[January](#)

[13, 2023](#) at

[4:17 am](#)

i have error

in tk.Tk()

[Reply](#)

Python Projects	+
Python Django Projects	+
Machine Learning Projects	+
Deep Learning Projects	+
AI Projects	+
Python Interview Questions	+
Python Quiz	+

Muhammad**Imtiaz**🕒 [February](#)[6, 2023 at](#)[6:08 am](#)

I'm student

of Data

Science

and

Analytics

University

of

Hertfordshire

London,

Uk. This is

very

helpful

information

for me. If a

data set

become

available

so that I

can apply

for all

things.

[Reply](#)[« Older Comments](#)**LEAVE A****REPLY****Comment ***

Python Projects

+

Python Django Projects

+

Machine Learning Proiects

+

Name

Email

*

*

Post Comment

[Home](#)

[About us](#)

[Contact us](#)

[Terms and Conditions](#)

[Privacy Policy](#)

[Disclaimer](#)

[Write For Us](#)

[Success Stories](#)