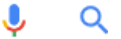


# INSTALL PYTHON, TENSORFLOW, KERAS , JUPYTER NOTE BOOK AND OPEN CV WITH ANACONDA ON WINDOWS



anaconda python



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Description. **Python** is a widely used high-level, general-purpose, interpreted, dynamic

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anaconda / packages / python 3.7.4



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General purpose programming language

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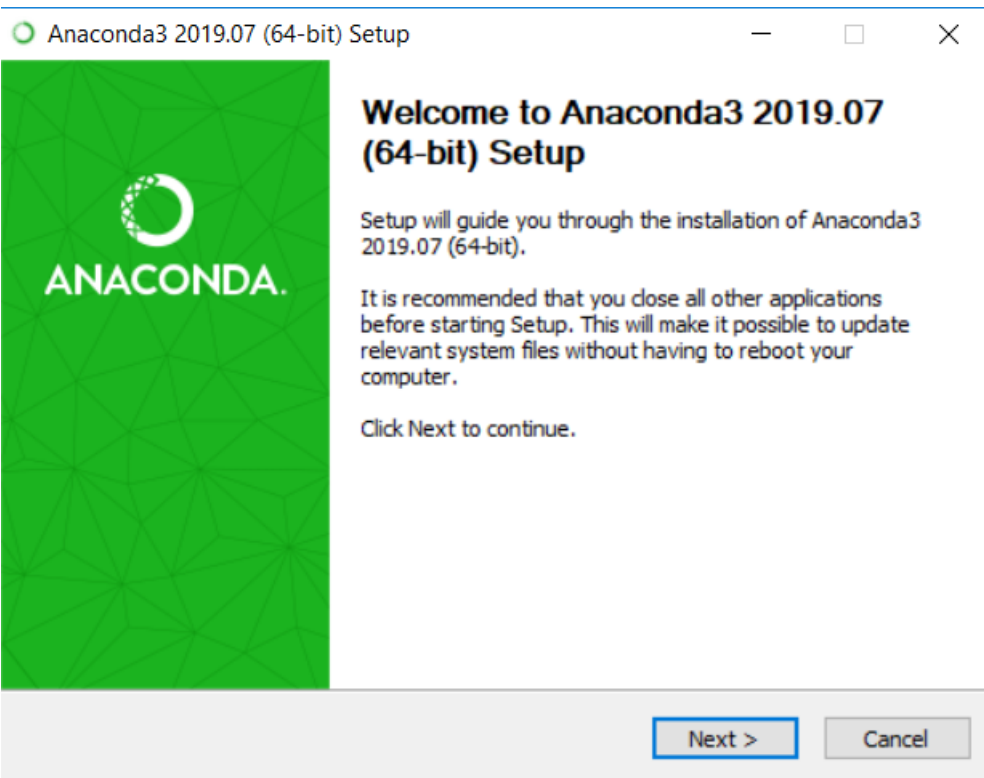
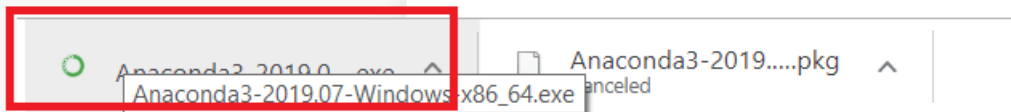
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Setup will install Anaconda3 2019.07 (64-bit) in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.

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Browse...

Space required: 2.9GB

Space available: 36.6GB

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☒ Register Anaconda as my default Python 3.7

This will allow other programs, such as Python Tools for Visual Studio, PyCharm, Wing IDE, PyDev, and MSI binary packages, to automatically detect Anaconda as the primary Python 3.7 on the system.

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Please wait while Anaconda3 2019.07 (64-bit) is being installed.

Extract: pyqt-5.9.2-py37h6538335\_2.conda



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**Anaconda Prompt (Anaconda3)**

App



**anaconda\_project**

File folder in site-packages

Last modified: 27/08/2019 20:30

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**Spyder (Anaconda3)**



**Anaconda Powershell Prompt (Anaconda3)**

#### Folders (6+)



anaconda Prompt (Anaconda3)



Anaconda Prompt (Anaconda3)

```
(base) C:\Users\niaz>_
```



Anaconda Prompt (Anaconda3)

```
(base) C:\Users\niaz>python
Python 3.7.3 (default, Apr 24 2019, 15:29:51) [AMD64]
Type "help", "copyright", "credits" or "license()"
>>> quit()
```

```
(base) C:\Users\niaz>python --version
Python 3.7.3
```

```
(base) C:\Users\niaz>
```

```
(base) C:\Users\niaz>conda install jupyter
```

```
(base) C:\Users\niaz>conda install scipy
```

```
(base) C:\Users\niaz>pip install sklearn
Collecting sklearn
```

```
(base) C:\Users\niaz>pip install pandas
```

```
(base) C:\Users\niaz>pip install pandas-datareader_
```

```
(base) C:\Users\niaz>pip install matplotlib_
```

```
(base) C:\Users\niaz>pip install pillow_
```

```
(base) C:\Users\niaz>pip install requests_
```

```
(base) C:\Users\niaz>pip install h5py_
```

```
(base) C:\Users\niaz>pip install tensorflow_
```

```
(base) C:\Users\niaz>pip install keras
```

```
(base) C:\Users\niaz>jupyter notebook
```

■ Anaconda Prompt (Anaconda3) - pip install opencv-python

```
(base) C:\Users\niaz>pip install opencv-python
Collecting opencv-python
_
```

```
import keras
import tensorflow as tf
import sys
import sklearn as sk
import pandas as pd
print("Tensor Flow: {}".format(tf.__version__))
print("Keras Version: {}".format(keras.__version__))
print()
print("Python: {}".format(sys.version))
print("Pandas: {}".format(pd.__version__))
print("Scikit: {}".format(sk.__version__))
```

Tensor Flow: 1.14.0  
Keras Version: 2.2.5

Python: 3.7.3 (default, Apr 24 2019, 15:29:51) [MSC v.1915 64 bit (AMD64)]  
Pandas: 0.24.2  
Scikit: 0.21.2

```
: import cv2

: img = cv2.imread("C:/Users/niaz/butterfly_GT.bmp")
  cv2.imshow("Butterfly Image",img)
  cv2.waitKey(0)
  cv2.destroyAllWindows()
```

Butterfly Image

