AI-based localization and classification of skin disease with erythema

TEAM ID: PNT2002TMID37372

MITHUN H

DINESHKUMAR P

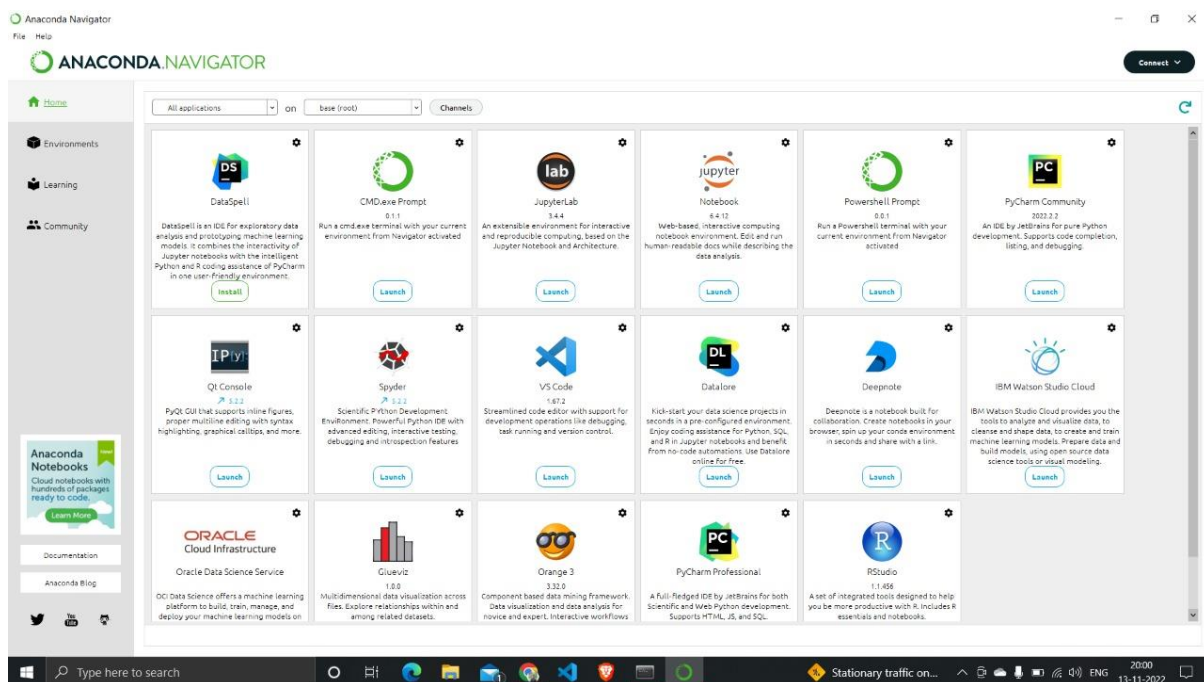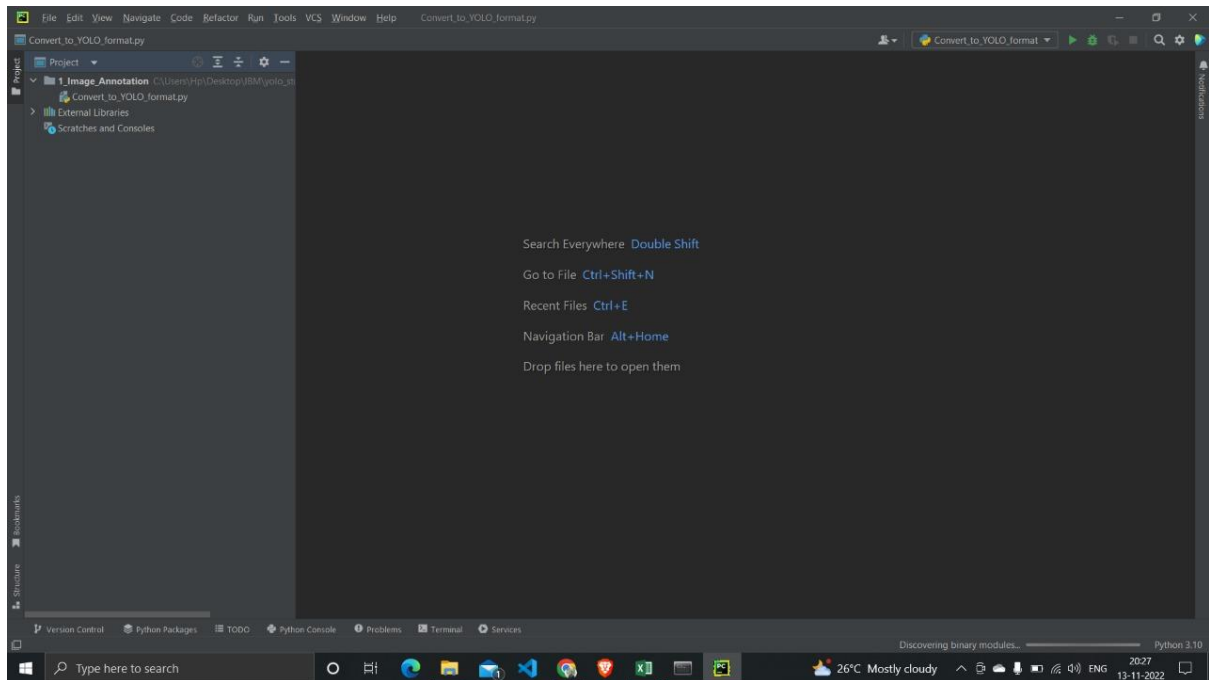## SAM JAYARAJ B

VIJESH P

SRIKUMAR R

PRE-REQUISITES:

INSTALLED ANACONDA NAVIGATOR TO ACCESS **PYCHARM**

PYCHARM

INSTALLING PYTHON PACKAGES

1.TensorFlow

2.Keras

3.OpenCV

4.Pillow

5.Progress bar

Anaconda Prompt (anaconda3)

```
(base) C:\Users\Hp>pip install tensorflow==1.15.2
ERROR: Could not find a version that satisfies the requirement tensorflow==1.15.2 (from versions: 2.5.0, 2.5.1, 2.5.2, 2.5.3, 2.6.0rc0,
2.6.0rc1, 2.6.0rc2, 2.6.0, 2.6.1, 2.6.2, 2.6.3, 2.6.4, 2.6.5, 2.7.0rc0, 2.7.0rc1, 2.7.0, 2.7.1, 2.7.2, 2.7.3, 2.7.4, 2.8.0rc0, 2.8.0rc
1, 2.8.0, 2.8.1, 2.8.2, 2.8.3, 2.9.0rc0, 2.9.0rc1, 2.9.0rc2, 2.9.0, 2.9.1, 2.9.2, 2.10.0rc0, 2.10.0rc1, 2.10.0rc2, 2.10.0rc3, 2.10.0, 2
.11.0rc0, 2.11.0rc1, 2.11.0rc2)
ERROR: No matching distribution found for tensorflow==1.15.2

(base) C:\Users\Hp>pip install tensorflow
Requirement already satisfied: tensorflow in c:\users\hp\anaconda3\lib\site-packages (2.10.0)
Requirement already satisfied: google-pasta>=0.1.1 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (0.2.0)
Requirement already satisfied: keras-preprocessing>=1.1.1 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (1.1.2)
Requirement already satisfied: grpcio<2.0,>=1.24.3 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (1.50.0)
Requirement already satisfied: numpy>=1.20 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (1.21.5)
Requirement already satisfied: astunparse>=1.6.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (1.6.3)
Requirement already satisfied: absl-py>=1.0.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (1.3.0)
Requirement already satisfied: h5py>=2.9.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (3.7.0)
Requirement already satisfied: libclang>=13.0.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (14.0.6)
Requirement already satisfied: protobuf<3.20,>=3.9.2 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (3.19.6)
Requirement already satisfied: typing-extensions>=3.6.6 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (4.3.0)
Requirement already satisfied: tensorboard<2.11,>=2.10 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (2.10.1)
Requirement already satisfied: flatbuffers>=2.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (22.10.26)
Requirement already satisfied: termcolor>=1.1.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (2.1.0)
Requirement already satisfied: keras<2.11,>=2.10.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (2.10.0)
Requirement already satisfied: packaging in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (21.3)
Requirement already satisfied: gast<=0.4.0,>=0.2.1 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (0.4.0)
Requirement already satisfied: opt-einsum>=2.3.2 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (3.3.0)
Requirement already satisfied: six>=1.12.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (1.16.0)
Requirement already satisfied: wrapt>=1.11.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (1.14.1)
Requirement already satisfied: tensorflow-io-gcs-filesystem>=0.23.1 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (0.27.
0)
Requirement already satisfied: tensorflow-estimator<2.11,>=2.10.0 in c:\users\hp\anaconda3\lib\site-packages (from tensorflow) (2.10.0)
```

26°C Mostly cloudy   ENG   20:04 13-11-2022

Anaconda Prompt (anaconda3)

```
10->tensorflow) (3.3)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\hp\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboa
rd<2.11,>=2.10->tensorflow) (2.0.4)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\hp\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<2.1
1,>=2.10->tensorflow) (2022.9.14)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\hp\anaconda3\lib\site-packages (from requests<3,>=2.21.0->tensorboard<
2.11,>=2.10->tensorflow) (1.26.11)
Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in c:\users\hp\anaconda3\lib\site-packages (from pyasn1-modules>=0.2.1->google-auth
<3,>=1.6.3->tensorboard<2.11,>=2.10->tensorflow) (0.4.8)
Requirement already satisfied: oauthlib>=3.0.0 in c:\users\hp\anaconda3\lib\site-packages (from requests-oauthlib>=0.7.0->google-auth-o
authlib<0.5,>=0.4.1->tensorboard<2.11,>=2.10->tensorflow) (3.2.2)

(base) C:\Users\Hp>pip install keras
Requirement already satisfied: keras in c:\users\hp\anaconda3\lib\site-packages (2.10.0)

(base) C:\Users\Hp>pip install opencv-python
Requirement already satisfied: opencv-python in c:\users\hp\anaconda3\lib\site-packages (4.6.0.66)
Requirement already satisfied: numpy>=1.17.3 in c:\users\hp\anaconda3\lib\site-packages (from opencv-python) (1.21.5)

(base) C:\Users\Hp>pip installpillow
ERROR: unknown command "installpillow" - maybe you meant "install"

(base) C:\Users\Hp>pip install pillow
Requirement already satisfied: pillow in c:\users\hp\anaconda3\lib\site-packages (9.2.0)

(base) C:\Users\Hp>pip install progressbar
Requirement already satisfied: progressbar in c:\users\hp\anaconda3\lib\site-packages (2.5)

(base) C:\Users\Hp>
```
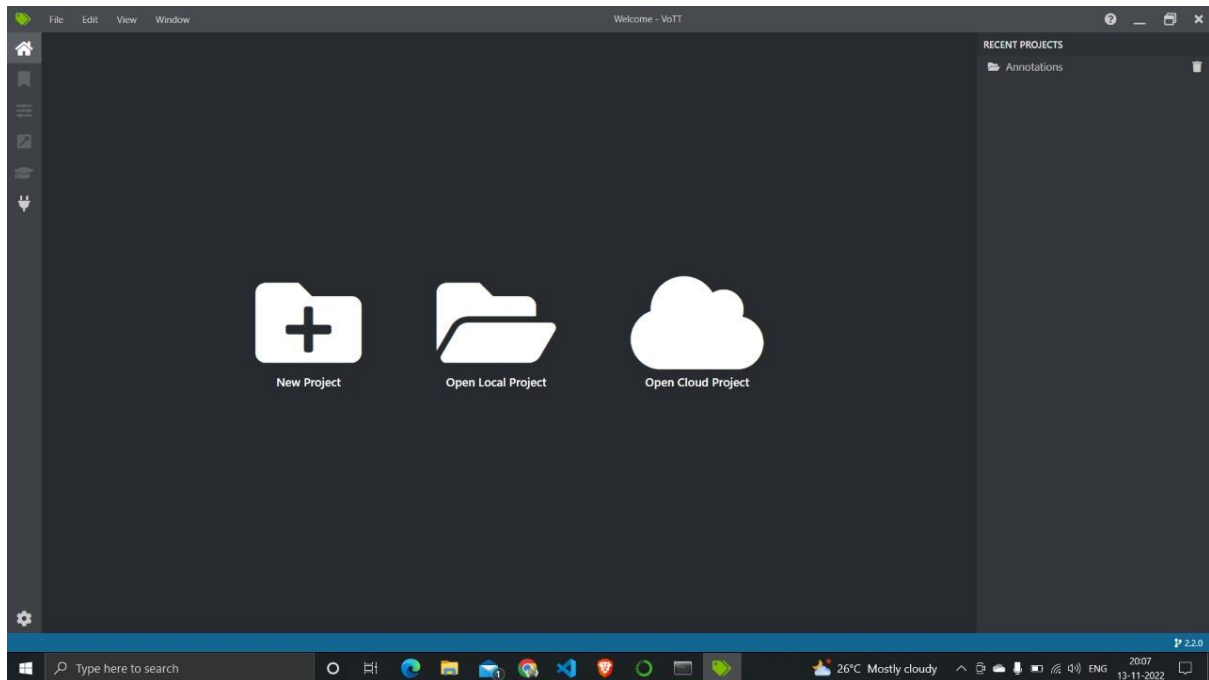
26°C Mostly cloudy   ENG   20:07 13-11-2022

INSTALLING MICROSOFT VOTT

CREATING YOLO PROJECT STRUCTURE