

## Prerequisites

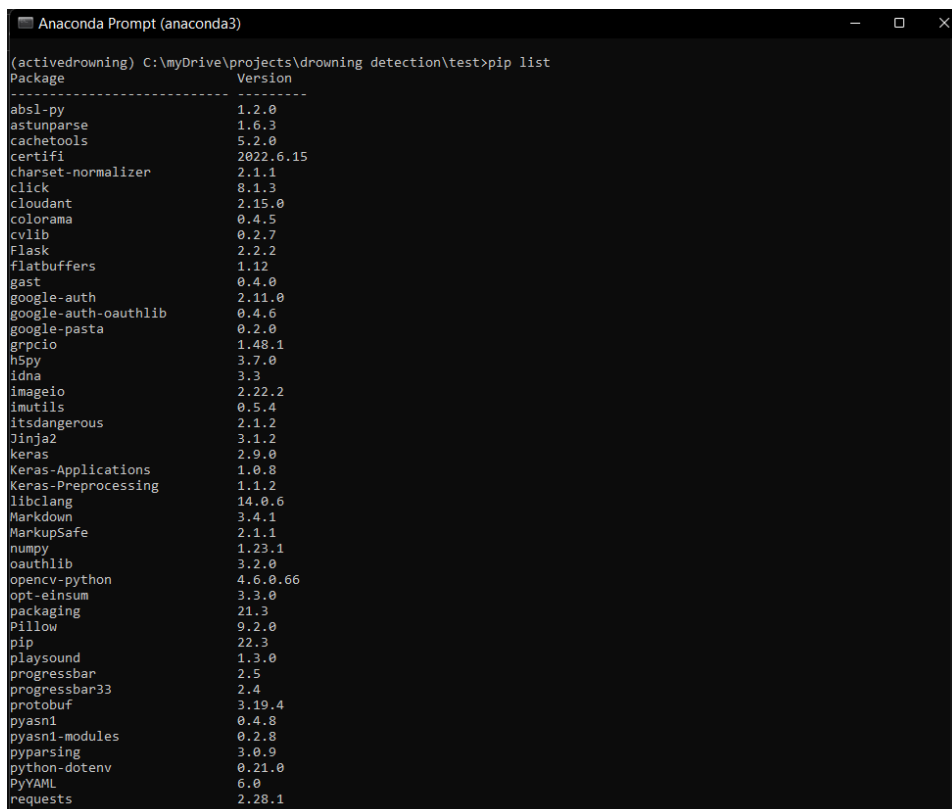
Date	03 October 2022
Team ID	PNT2022TMID32676
Project Name	Virtual eye - Lifeguard for swimming pools for active drowning

## Install Python Packages

If you are using anaconda navigator, follow the below steps to download the required packages:

- Open anaconda prompt as administrator.
- Type "pip install tensorflow==1.15.2" and click enter.
- Type "pip install keras=2.2.4" and click enter.
- Type "pip install opencv-python==4.1.0.25" and click enter.
- Type "pip install imutils" and click enter.
- Type "pip install flask" and click enter.
- Type "pip install progressbar33==2.4" and click enter
- Type "pip install playsound==1.3.0" and click enter

## Screenshot of packages after installation:



```
Anaconda Prompt (anaconda3)
(activatedrowning) C:\myDrive\projects\drowning detection\test>pip list
Package Version
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absl-py 1.2.0
astunparse 1.6.3
cachetools 5.2.0
certifi 2022.6.15
charset-normalizer 2.1.1
click 8.1.3
cloudant 2.15.0
colorama 0.4.5
cvlib 0.2.7
Flask 2.2.2
flatbuffers 1.12
gast 0.4.0
google-auth 2.11.0
google-auth-oauthlib 0.4.6
google-pasta 0.2.0
grpcio 1.48.1
h5py 3.7.0
idna 3.3
imageio 2.22.2
imutils 0.5.4
itsdangerous 2.1.2
Jinja2 3.1.2
Keras 2.9.0
Keras-Applications 1.0.8
Keras-Preprocessing 1.1.2
libclang 14.0.6
Markdown 3.4.1
MarkupSafe 2.1.1
numpy 1.23.1
oauthlib 3.2.0
opencv-python 4.6.0.66
opt-einsum 3.3.0
packaging 21.3
Pillow 9.2.0
pip 22.3
playsound 1.3.0
progressbar 2.5
progressbar33 2.4
protobuf 3.19.4
pyasn1 0.4.8
pyasn1-modules 0.2.8
pyparsing 3.0.9
python-dotenv 0.21.0
PyYAML 6.0
requests 2.28.1
```

```
Anaconda Prompt (anaconda3)
itsdangerous          2.1.2
Jinja2                3.1.2
keras                 2.9.0
Keras-Applications    1.0.8
Keras-Preprocessing   1.1.2
libclang              14.0.6
Markdown              3.4.1
MarkupSafe            2.1.1
numpy                 1.23.1
oauthlib              3.2.0
opencv-python         4.6.0.66
opt-einsum            3.3.0
packaging             21.3
Pillow                9.2.0
pip                   22.3
playsound             1.3.0
progressbar           2.5
progressbar33         2.4
protobuf              3.19.4
pyasn1                0.4.8
pyasn1-modules        0.2.8
pyparsing             3.0.9
python-dotenv         0.21.0
PyYAML                6.0
requests              2.28.1
requests-oauthlib     1.3.1
rsa                   4.9
scipy                 1.9.1
setuptools            61.2.0
six                   1.16.0
tensorboard           2.9.1
tensorboard-data-server 0.6.1
tensorboard-plugin-wit 1.8.1
tensorflow             2.9.2
tensorflow-estimator  2.9.0
tensorflow-io-gcs-filesystem 0.26.0
termcolor             1.1.0
typing_extensions     4.3.0
urllib3               1.26.12
Werkzeug              2.2.2
wheel                 0.37.1
wincertstore          0.2
wrapt                 1.14.1

[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip

(activatedrowning) C:\myDrive\projects\drowning detection\test>
```