

```
!git clone https://github.com/Lalita029/Human-Activity-Detection.git
```

```
Cloning into 'Human-Activity-Detection'...
remote: Enumerating objects: 42, done.
remote: Counting objects: 100% (42/42), done.
remote: Compressing objects: 100% (37/37), done.
remote: Total 42 (delta 9), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (42/42), 5.44 MiB | 17.86 MiB/s, done.
Resolving deltas: 100% (9/9), done.
```

```
%cd Human-Activity-Detection/
```

```
/content/Human-Activity-Detection
```

```
!pip install -r requirements.txt
```

```
!pip install --upgrade numpy
```

```
import torch
assert torch.__version__.startswith("1.8") # need to manually install torch 1.8 if Colab changes its default version
!pip install detectron2 -f https://dl.fbaipublicfiles.com/detectron2/wheels/cu101/torch1.8/index.html
```

```
Looking in links: https://dl.fbaipublicfiles.com/detectron2/wheels/cu101/torch1.8/index.html
Requirement already satisfied: detectron2 in /usr/local/lib/python3.7/dist-packages (0.6+cu101)
Requirement already satisfied: termcolor>=1.1 in /usr/local/lib/python3.7/dist-packages (from detectron2) (1.1.0)
Requirement already satisfied: tqdm>4.29.0 in /usr/local/lib/python3.7/dist-packages (from detectron2) (4.63.0)
Requirement already satisfied: pycocotools>=2.0.2 in /usr/local/lib/python3.7/dist-packages (from detectron2) (2.0.4)
Requirement already satisfied: matplotlib in /usr/local/lib/python3.7/dist-packages (from detectron2) (3.2.2)
Requirement already satisfied: tensorboard in /usr/local/lib/python3.7/dist-packages (from detectron2) (2.8.0)
Requirement already satisfied: fvc<0.1.6,>=0.1.5 in /usr/local/lib/python3.7/dist-packages (from detectron2) (0.1.5.post202203)
Requirement already satisfied: pydot in /usr/local/lib/python3.7/dist-packages (from detectron2) (1.3.0)
Requirement already satisfied: black==21.4b2 in /usr/local/lib/python3.7/dist-packages (from detectron2) (21.4b2)
Requirement already satisfied: future in /usr/local/lib/python3.7/dist-packages (from detectron2) (0.18.2)
Requirement already satisfied: iopath<0.1.10,>=0.1.7 in /usr/local/lib/python3.7/dist-packages (from detectron2) (0.1.9)
Requirement already satisfied: omegaconf>=2.1 in /usr/local/lib/python3.7/dist-packages (from detectron2) (2.1.1)
Requirement already satisfied: yacs>=0.1.8 in /usr/local/lib/python3.7/dist-packages (from detectron2) (0.1.8)
Requirement already satisfied: tabulate in /usr/local/lib/python3.7/dist-packages (from detectron2) (0.8.9)
Requirement already satisfied: cloudpickle in /usr/local/lib/python3.7/dist-packages (from detectron2) (1.3.0)
Requirement already satisfied: Pillow>=7.1 in /usr/local/lib/python3.7/dist-packages (from detectron2) (7.1.2)
Requirement already satisfied: hydra-core>=1.1 in /usr/local/lib/python3.7/dist-packages (from detectron2) (1.1.1)
Requirement already satisfied: typed-ast>=1.4.2 in /usr/local/lib/python3.7/dist-packages (from black==21.4b2->detectron2) (1.5.2)
Requirement already satisfied: click>=7.1.2 in /usr/local/lib/python3.7/dist-packages (from black==21.4b2->detectron2) (7.1.2)
Requirement already satisfied: appdirs in /usr/local/lib/python3.7/dist-packages (from black==21.4b2->detectron2) (1.4.4)
Requirement already satisfied: regex==2020.1.8 in /usr/local/lib/python3.7/dist-packages (from black==21.4b2->detectron2) (2022.3)
Requirement already satisfied: pathspec<1,>=0.8.1 in /usr/local/lib/python3.7/dist-packages (from black==21.4b2->detectron2) (0.9)
Requirement already satisfied: typing-extensions>=3.7.4 in /usr/local/lib/python3.7/dist-packages (from black==21.4b2->detectron2) (0.10.2)
Requirement already satisfied: toml>=0.10.1 in /usr/local/lib/python3.7/dist-packages (from black==21.4b2->detectron2) (0.10.2)
Requirement already satisfied: mpy-extensions>=0.4.3 in /usr/local/lib/python3.7/dist-packages (from black==21.4b2->detectron2) (0.4.3)
Requirement already satisfied: numpy in /usr/local/lib/python3.7/dist-packages (from fvc<0.1.6,>=0.1.5->detectron2) (1.21.5)
Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.7/dist-packages (from fvc<0.1.6,>=0.1.5->detectron2) (5.1)
Requirement already satisfied: antlr4-python3-runtime==4.8 in /usr/local/lib/python3.7/dist-packages (from hydra-core==1.1->detectron2) (4.8)
Requirement already satisfied: importlib-resources in /usr/local/lib/python3.7/dist-packages (from hydra-core==1.1->detectron2) (5.12.0)
Requirement already satisfied: portalocker in /usr/local/lib/python3.7/dist-packages (from iopath<0.1.10,>=0.1.7->detectron2) (2.7.0)
Requirement already satisfied: python-dateutil>=2.1 in /usr/local/lib/python3.7/dist-packages (from matplotlib->detectron2) (2.8.1)
Requirement already satisfied: pyparsing!=2.0.4,!<2.1.2,!<2.1.6,>=2.0.1 in /usr/local/lib/python3.7/dist-packages (from matplotlib->detectron2) (3.1.0)
Requirement already satisfied: kiwisolver>=1.0.1 in /usr/local/lib/python3.7/dist-packages (from matplotlib->detectron2) (1.4.0)
Requirement already satisfied: cycler>=0.10 in /usr/local/lib/python3.7/dist-packages (from matplotlib->detectron2) (0.11.0)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-packages (from python-dateutil>=2.1->matplotlib->detectron2) (1.16.0)
Requirement already satisfied: zipp>=3.1.0 in /usr/local/lib/python3.7/dist-packages (from importlib-resources->hydra-core==1.1->detectron2) (3.17.0)
Requirement already satisfied: wheel>=0.26 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (0.37.1)
Requirement already satisfied: absl-py>=0.4 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (1.0.0)
Requirement already satisfied: setuptools>=41.0.0 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (57.4.0)
Requirement already satisfied: requests<3,>=2.21.0 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (2.23.0)
Requirement already satisfied: google-auth<3,>=1.6.3 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (1.21.0)
Requirement already satisfied: grpcio>=1.24.3 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (1.44.0)
Requirement already satisfied: google-auth-oauthlib<0.5,>=0.4.1 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (0.4.6)
Requirement already satisfied: protobuf>=3.6.0 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (3.17.3)
Requirement already satisfied: tensorboard-data-server<0.7.0,>=0.6.0 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (0.6.0)
Requirement already satisfied: tensorboard-plugin-wit>=1.6.0 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (1.6.0)
Requirement already satisfied: werkzeug>=0.11.15 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (0.15.0)
Requirement already satisfied: markdown>=2.6.8 in /usr/local/lib/python3.7/dist-packages (from tensorboard->detectron2) (3.3.6)
Requirement already satisfied: cachetools<5.0,>=2.0.0 in /usr/local/lib/python3.7/dist-packages (from google-auth<3,>=1.6.3->tensorboard->detectron2) (4.2.1)
Requirement already satisfied: pyasn1-modules>=0.2.1 in /usr/local/lib/python3.7/dist-packages (from google-auth<3,>=1.6.3->tensorboard->detectron2) (0.3.0)
Requirement already satisfied: rsa<5,>=3.1.4 in /usr/local/lib/python3.7/dist-packages (from google-auth<3,>=1.6.3->tensorboard->detectron2) (4.9)
Requirement already satisfied: requests-oauthlib>=0.7.0 in /usr/local/lib/python3.7/dist-packages (from google-auth-oauthlib<0.5,>=0.4.1->tensorboard->detectron2) (1.3.1)
Requirement already satisfied: importlib-metadata>=4.4 in /usr/local/lib/python3.7/dist-packages (from markdown>=2.6.8->tensorboard->detectron2) (6.0.0)
Requirement already satisfied: pyasn1<0.5.0,>=0.4.6 in /usr/local/lib/python3.7/dist-packages (from pyasn1-modules>=0.2.1->google-auth->detectron2) (0.4.8)
Requirement already satisfied: idna<3,>=2.5 in /usr/local/lib/python3.7/dist-packages (from requests<3,>=2.21.0->tensorboard->detectron2) (3.10)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.7/dist-packages (from requests<3,>=2.21.0->tensorboard->detectron2) (2022.9.24)
```

```
# Download ngrok for tunneling.
```

```
if [ ! -f ./ngrok ]; then \
  wget https://bin.equinox.io/c/4VmDzA7iaHb/ngrok-stable-linux-amd64.zip; \
```

```

unzip -o ngrok-stable-linux-amd64.zip; \
fi

# Then start a mini web server.
# import portpicker
# port= portpicker.pick_unused_port()
# print(port)
port = 5000
# !kill ngrok
# !kill $(ps x | grep -v grep | grep http.server | awk '{print $1}') 2>/dev/null

get_ipython().system_raw(
    'python app.py && python3 -m http.server {} &'
    .format(port)
)

# And, forward the port using ngrok.
get_ipython().system_raw('./ngrok http {} &'.format(port))

# Get the public address from localhost:4040 (ngrok's web interface).
import time, urllib, json
import urllib.request
time.sleep(1) # Give ngrok time to startup.
ngrok_data = json.load(
    urllib.request.urlopen('http://localhost:4040/api/tunnels'))
ngrok_data['tunnels'][0]['public_url']

🔗 'http://3fbc-35-241-164-49.ngrok.io'

!python app.py

🔗 Detectron model loaded in 15.240571975708008
* Serving Flask app "app" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
Traceback (most recent call last):
  File "app.py", line 127, in <module>
    app.run(debug=True, use_reloader=True)
  File "/usr/local/lib/python3.7/dist-packages/flask/app.py", line 990, in run
    run_simple(host, port, self, **options)
  File "/usr/local/lib/python3.7/dist-packages/werkzeug/serving.py", line 987, in run_simple
    s.bind(server_address)
OSError: [Errno 98] Address already in use

```

Start coding or [generate](#) with AI.