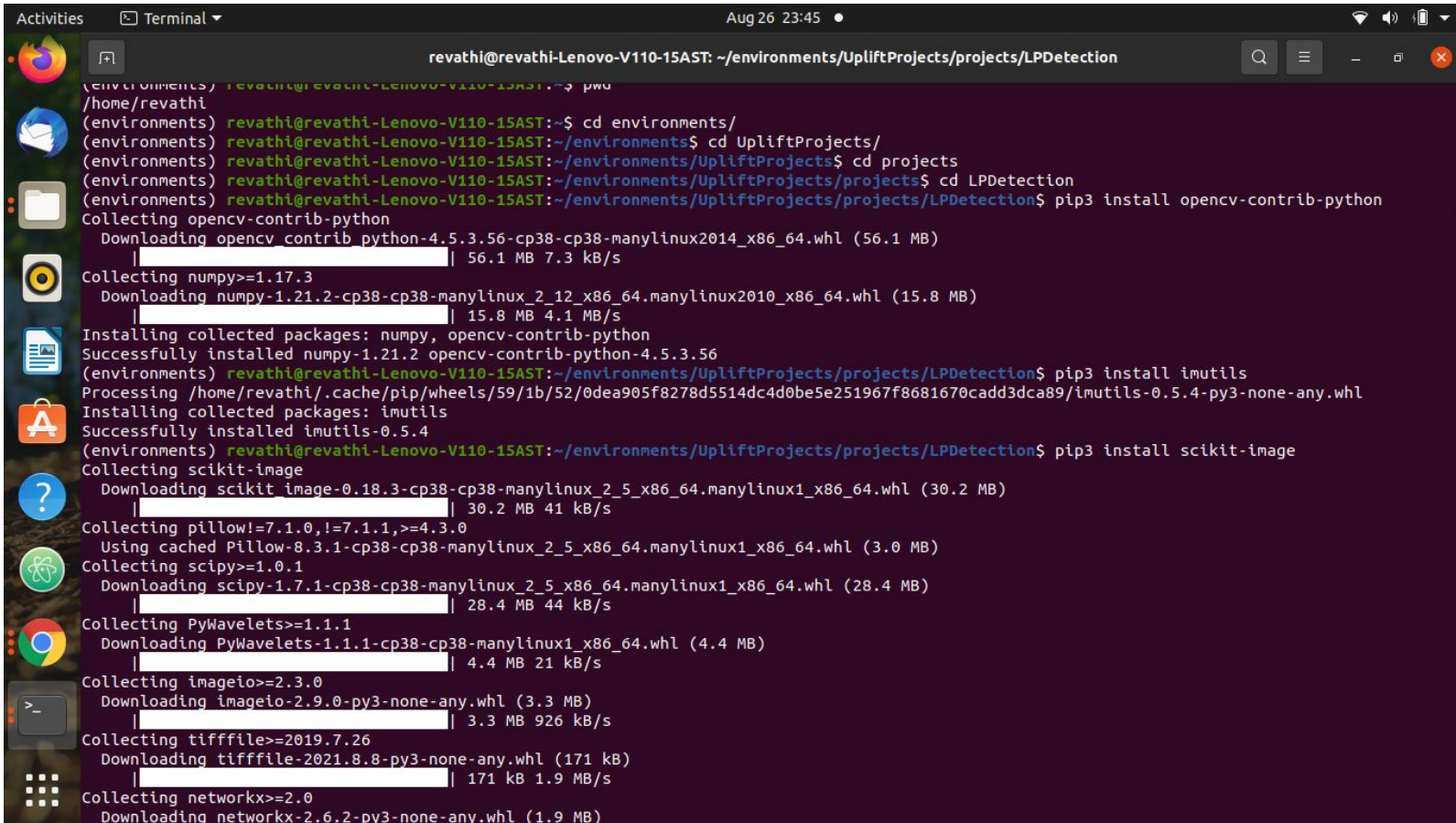


**Below are the set of packages
installed at Virtual Environment**

\$ pip install opencv-contrib-python

\$ pip install imutils

\$ pip install scikit-image

A terminal window titled "revathi@revathi-Lenovo-V110-15AST: ~/environments/UpliftProjects/projects/LPDetection" showing the installation of several Python packages. The user navigates through directories and runs three pip install commands. The first command installs opencv-contrib-python, followed by imutils, and then scikit-image. The terminal output shows the progress of each installation, including downloading wheels and collecting packages. The packages installed are opencv-contrib-python (4.5.3.56), numpy (1.21.2), imutils (0.5.4), scikit-image (0.18.3), pillow (7.1.0), scipy (1.7.1), PyWavelets (1.1.1), imageio (2.9.0), tifffile (2021.8.8), and networkx (2.6.2).

```
revathi@revathi-Lenovo-V110-15AST: ~/environments/UpliftProjects/projects/LPDetection
(enviroments) revathi@revathi-Lenovo-V110-15AST:~$ pwd
/home/revathi
(enviroments) revathi@revathi-Lenovo-V110-15AST:~$ cd environments/
(enviroments) revathi@revathi-Lenovo-V110-15AST:~/environments$ cd UpliftProjects/
(enviroments) revathi@revathi-Lenovo-V110-15AST:~/environments/UpliftProjects$ cd projects
(enviroments) revathi@revathi-Lenovo-V110-15AST:~/environments/UpliftProjects/projects$ cd LPDetection
(enviroments) revathi@revathi-Lenovo-V110-15AST:~/environments/UpliftProjects/projects/LPDetection$ pip3 install opencv-contrib-python
Collecting opencv-contrib-python
  Downloading opencv_contrib_python-4.5.3.56-cp38-cp38-manylinux2014_x86_64.whl (56.1 MB)
    | 56.1 MB 7.3 kB/s
Collecting numpy>=1.17.3
  Downloading numpy-1.21.2-cp38-cp38-manylinux_2_12_x86_64.manylinux2010_x86_64.whl (15.8 MB)
    | 15.8 MB 4.1 MB/s
Installing collected packages: numpy, opencv-contrib-python
Successfully installed numpy-1.21.2 opencv-contrib-python-4.5.3.56
(enviroments) revathi@revathi-Lenovo-V110-15AST:~/environments/UpliftProjects/projects/LPDetection$ pip3 install imutils
Processing /home/revathi/.cache/pip/wheels/59/1b/52/0dea905f8278d5514dc4d0be251967f8681670cadd3dca89/imutils-0.5.4-py3-none-any.whl
Installing collected packages: imutils
Successfully installed imutils-0.5.4
(enviroments) revathi@revathi-Lenovo-V110-15AST:~/environments/UpliftProjects/projects/LPDetection$ pip3 install scikit-image
Collecting scikit-image
  Downloading scikit_image-0.18.3-cp38-cp38-manylinux_2_5_x86_64.manylinux1_x86_64.whl (30.2 MB)
    | 30.2 MB 41 kB/s
Collecting pillow!=7.1.0,!=7.1.1,>=4.3.0
  Using cached Pillow-8.3.1-cp38-cp38-manylinux_2_5_x86_64.manylinux1_x86_64.whl (3.0 MB)
Collecting scipy>=1.0.1
  Downloading scipy-1.7.1-cp38-cp38-manylinux_2_5_x86_64.manylinux1_x86_64.whl (28.4 MB)
    | 28.4 MB 44 kB/s
Collecting PyWavelets>=1.1.1
  Downloading PyWavelets-1.1.1-cp38-cp38-manylinux1_x86_64.whl (4.4 MB)
    | 4.4 MB 21 kB/s
Collecting imageio>=2.3.0
  Downloading imageio-2.9.0-py3-none-any.whl (3.3 MB)
    | 3.3 MB 926 kB/s
Collecting tifffile>=2019.7.26
  Downloading tifffile-2021.8.8-py3-none-any.whl (171 kB)
    | 171 kB 1.9 MB/s
Collecting networkx>=2.0
  Downloading networkx-2.6.2-py3-none-any.whl (1.9 MB)
```

Check and install opencv

```
Activities Terminal ▾ Aug 26 23:54 ●
revathi@revathi-Lenovo-V110-15AST: ~/environments/UpliftProjects/projects/LPDetection

Collecting cycler>=0.10
  Using cached cycler-0.10.0-py2.py3-none-any.whl (6.5 kB)
Collecting kiwisolver>=1.0.1
  Using cached kiwisolver-1.3.1-cp38-cp38-manylinux1_x86_64.whl (1.2 MB)
Collecting python-dateutil>=2.7
  Using cached python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting pyparsing>=2.2.1
  Using cached pyparsing-2.4.7-py2.py3-none-any.whl (67 kB)
Collecting six
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: pillow, scipy, PyWavelets, imageio, tifffile, networkx, six, cycler, kiwisolver, python-dateutil, pyparsing, ma
tplotlib, scikit-image
Successfully installed PyWavelets-1.1.1 cycler-0.10.0 imageio-2.9.0 kiwisolver-1.3.1 matplotlib-3.4.3 networkx-2.6.2 pillow-8.3.1 pyparsing-2.
4.7 python-dateutil-2.8.2 scipy-1.7.1 scikit-image-0.18.0 six-1.16.0 tifffile-2020.9.3
(environment) revathi@revathi-Lenovo-V110-15AST:~/environments/UpliftProjects/projects/LPDetection$ opencv --version
Command 'opencv' not found, did you mean:
  command 'opencv' from deb opencv (4.5.3+dfsg-1ubuntu1)
  command 'opencv' from deb opencv (4.5.3+dfsg-1ubuntu1)
Try: sudo apt install <deb name>

(environment) revathi@revathi-Lenovo-V110-15AST:~/environments/UpliftProjects/projects/LPDetection$ python3
Python 3.8.10 (default, Jun  2 2021, 10:49:15)
[GCC 9.4.0] on linux
Type "help", "copyright", "credits" or "license()" for more information.
>>> import cv2
>>> print(cv2.__version__)
4.5.3
>>> exit
Use exit() or Ctrl-D (i.e. EOF) to exit
>>> exit()

(environment) revathi@revathi-Lenovo-V110-15AST:~/environments/UpliftProjects/projects/LPDetection$ lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 20.04.2 LTS
Release:        20.04
Codename:       focal
(environment) revathi@revathi-Lenovo-V110-15AST:~/environments/UpliftProjects/projects/LPDetection$
```

\$ pip install pillow \$ pip install pytesseract \$ pip install imutils

```
Activities Terminal ▾
revathi@revathi-Lenovo-V110-15AST: ~
Setting up tesseract-ocr-osd (1:4.00~git30-7274cfa-1) ...
Setting up tesseract-ocr (4.1.1-2build2) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
revathi@revathi-Lenovo-V110-15AST:~$ tesseract -v
tesseract 4.1.1
  leptonica-1.79.0
  libgif 5.1.14 : libjpeg 8d (libjpeg-turbo 2.0.3) : libpng 1.6.37 : libtiff 4.1.0 : zlib 1.2.11 : libwebp 0.6.1 : libopenjp2 2.3.1
Found AVX2
Found AVX
Found FMA
Found SSE
Found libarchive 3.4.0 zlib/1.2.11 liblzma/5.2.4 bzip2/1.0.8 liblz4/1.9.2 libzstd/1.4.4
revathi@revathi-Lenovo-V110-15AST:~$ source environments/bin/activate
(environments) revathi@revathi-Lenovo-V110-15AST:~$ pip3 install pillow
Requirement already satisfied: pillow in ./environments/lib/python3.8/site-packages (8.3.1)
(environments) revathi@revathi-Lenovo-V110-15AST:~$ pip3 install pytesseract
Collecting pytesseract
  Downloading pytesseract-0.3.8.tar.gz (14 kB)
Requirement already satisfied: Pillow in ./environments/lib/python3.8/site-packages (from pytesseract) (8.3.1)
Building wheels for collected packages: pytesseract
  Building wheel for pytesseract (setup.py) ... done
  Created wheel for pytesseract: filename=pytesseract-0.3.8-py2.py3-none-any.whl size=14063 sha256=8b6331f5d87b47ddde8ed5ff54d71648149ac537c85ade954b6800b578fe1ede
  Stored in directory: /home/revathi/.cache/pip/wheels/ed/8a/c6/40c7ec06c2dd3df636832537238128a1471bf9c1b6a3a9bf40
Successfully built pytesseract
Installing collected packages: pytesseract
Successfully installed pytesseract-0.3.8
(environments) revathi@revathi-Lenovo-V110-15AST:~$ pip3 install imutils
Requirement already satisfied: imutils in ./environments/lib/python3.8/site-packages (0.5.4)
(environments) revathi@revathi-Lenovo-V110-15AST:~$ python3
Python 3.8.10 (default, Jun 2 2021, 10:49:15)
[GCC 9.4.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import cv2
>>> import pytesseract
>>> import imutils
>>> 
```