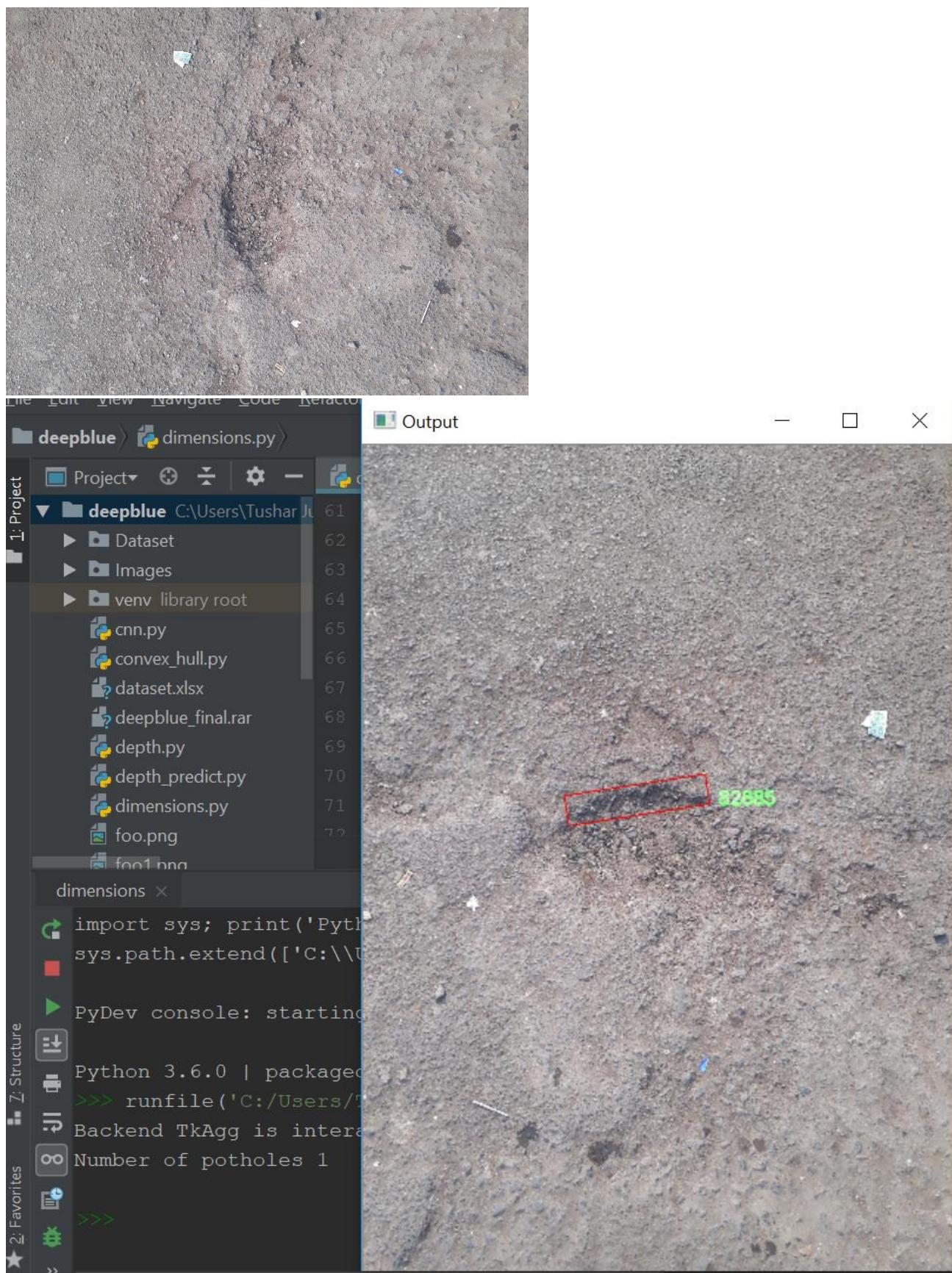


Deep Blue Demo Document:

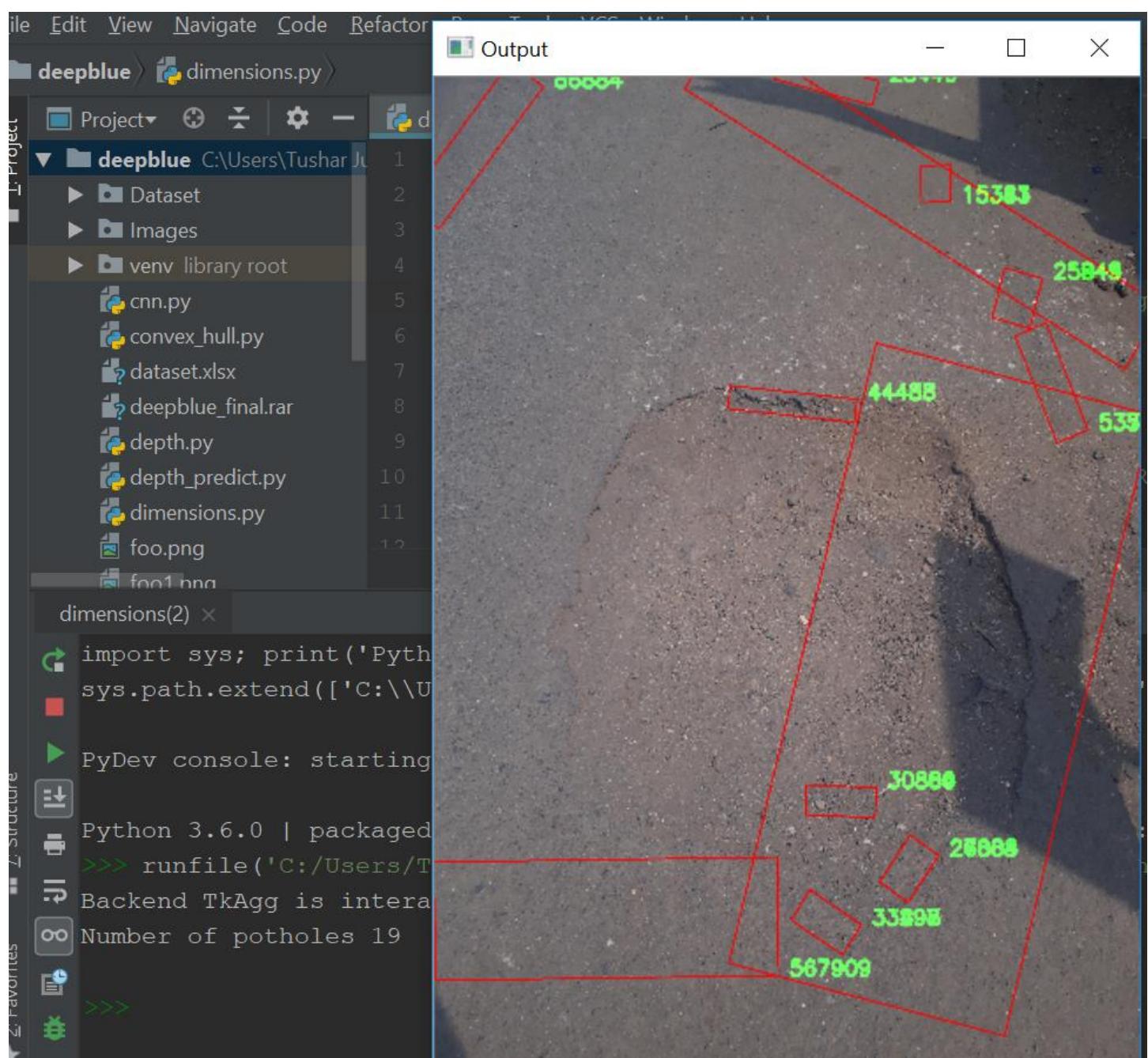
CSP7:

Dataset with their result:

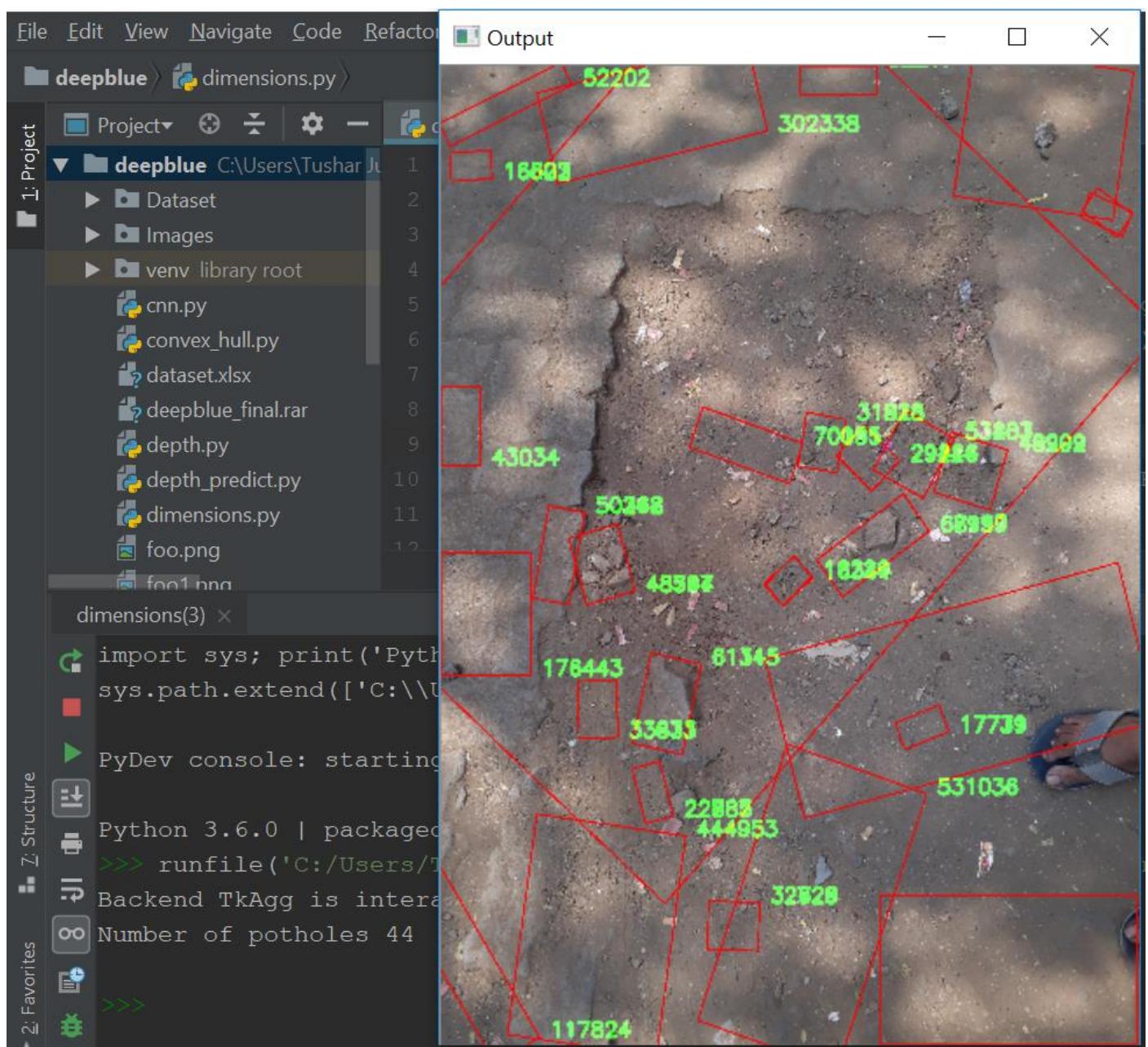
Pot11



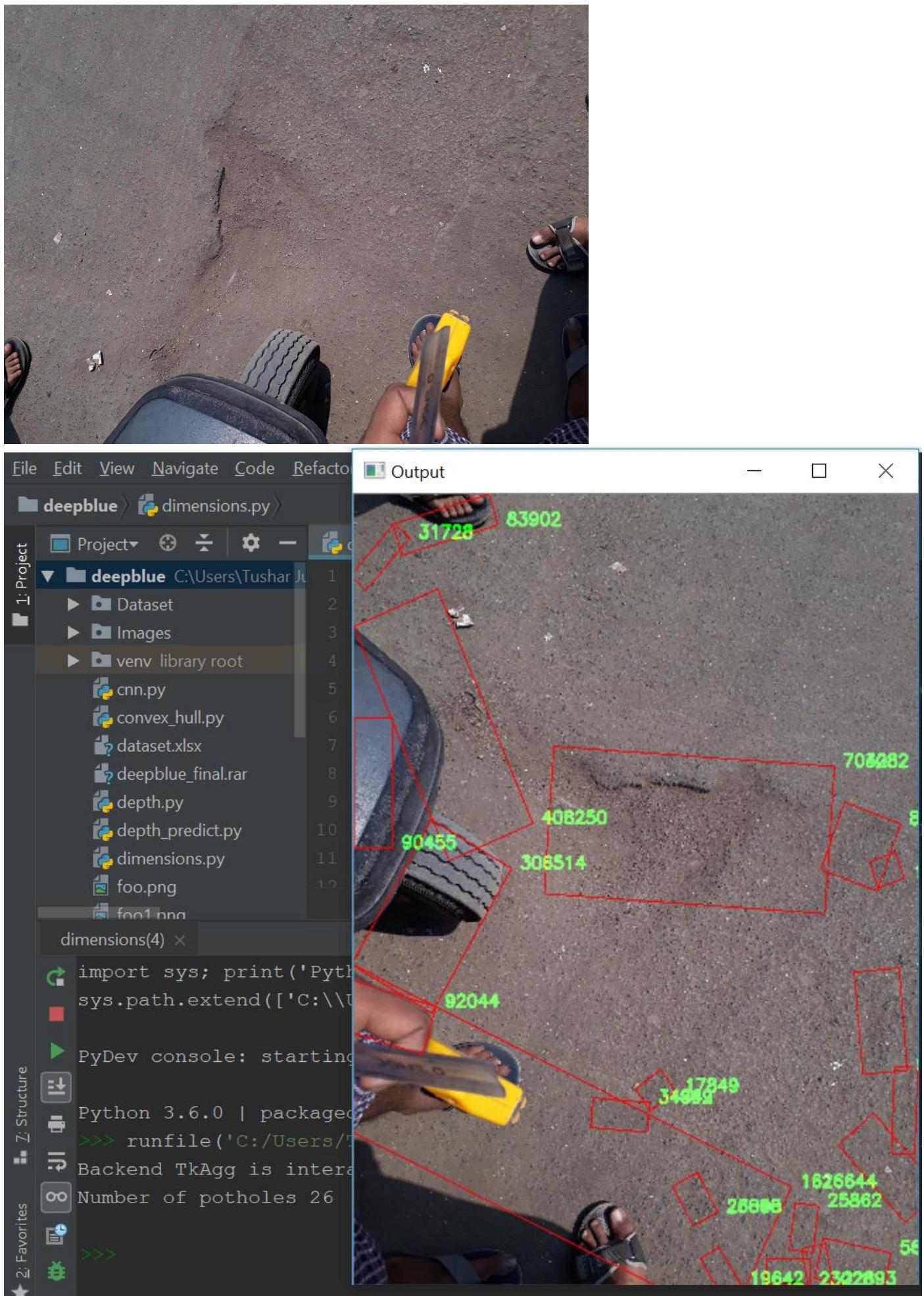
Pot21



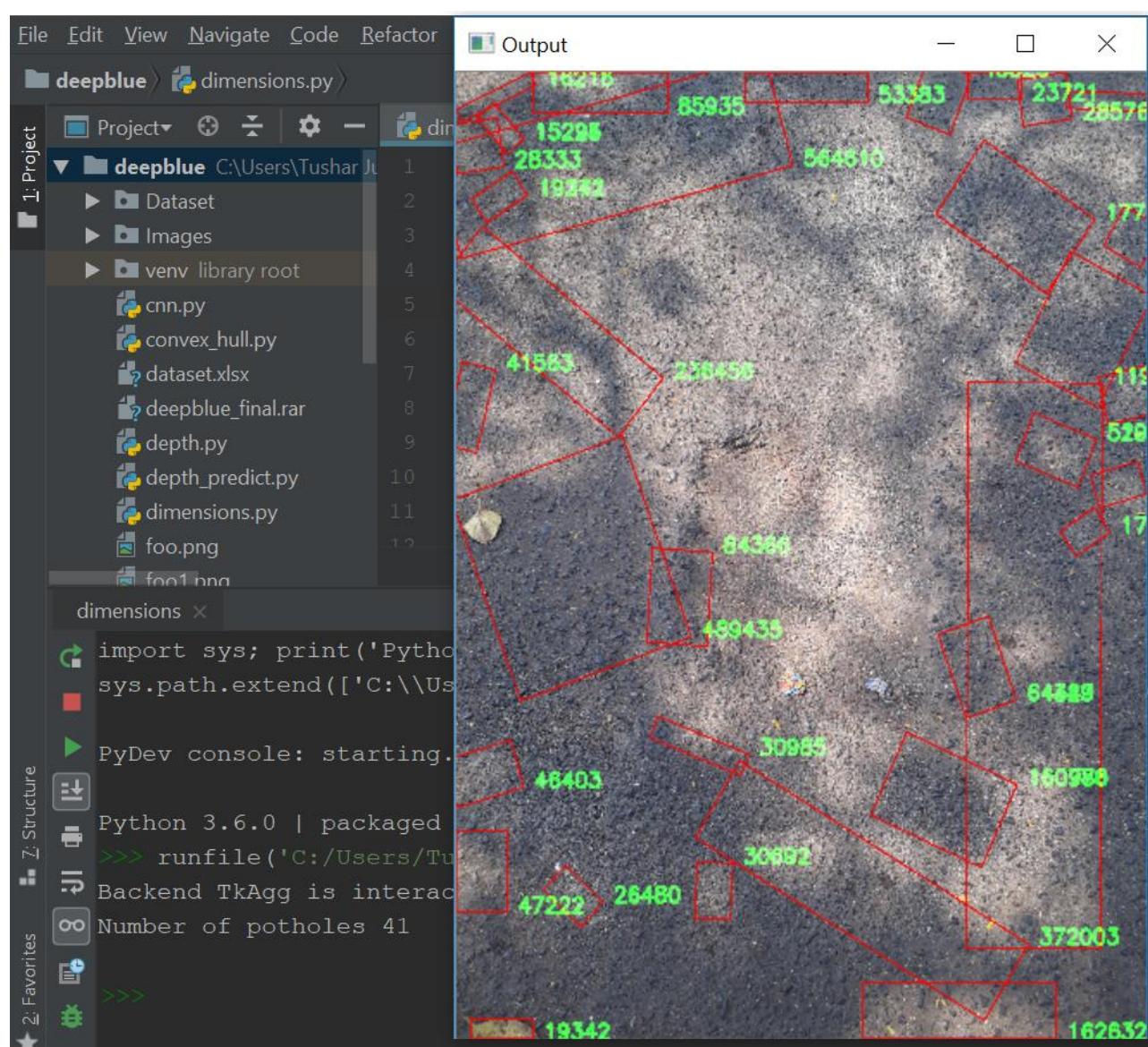
Pot31



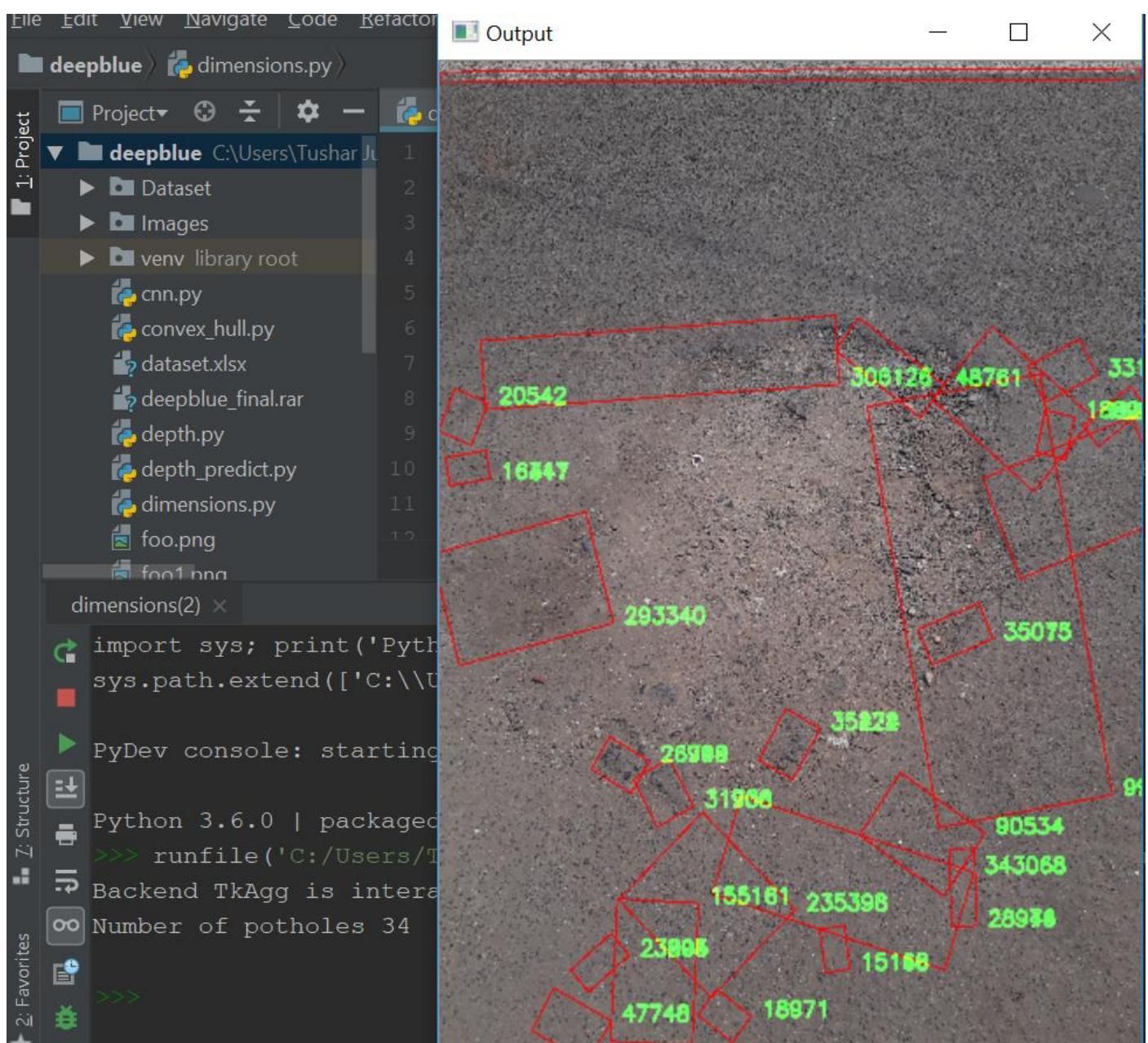
Pot41



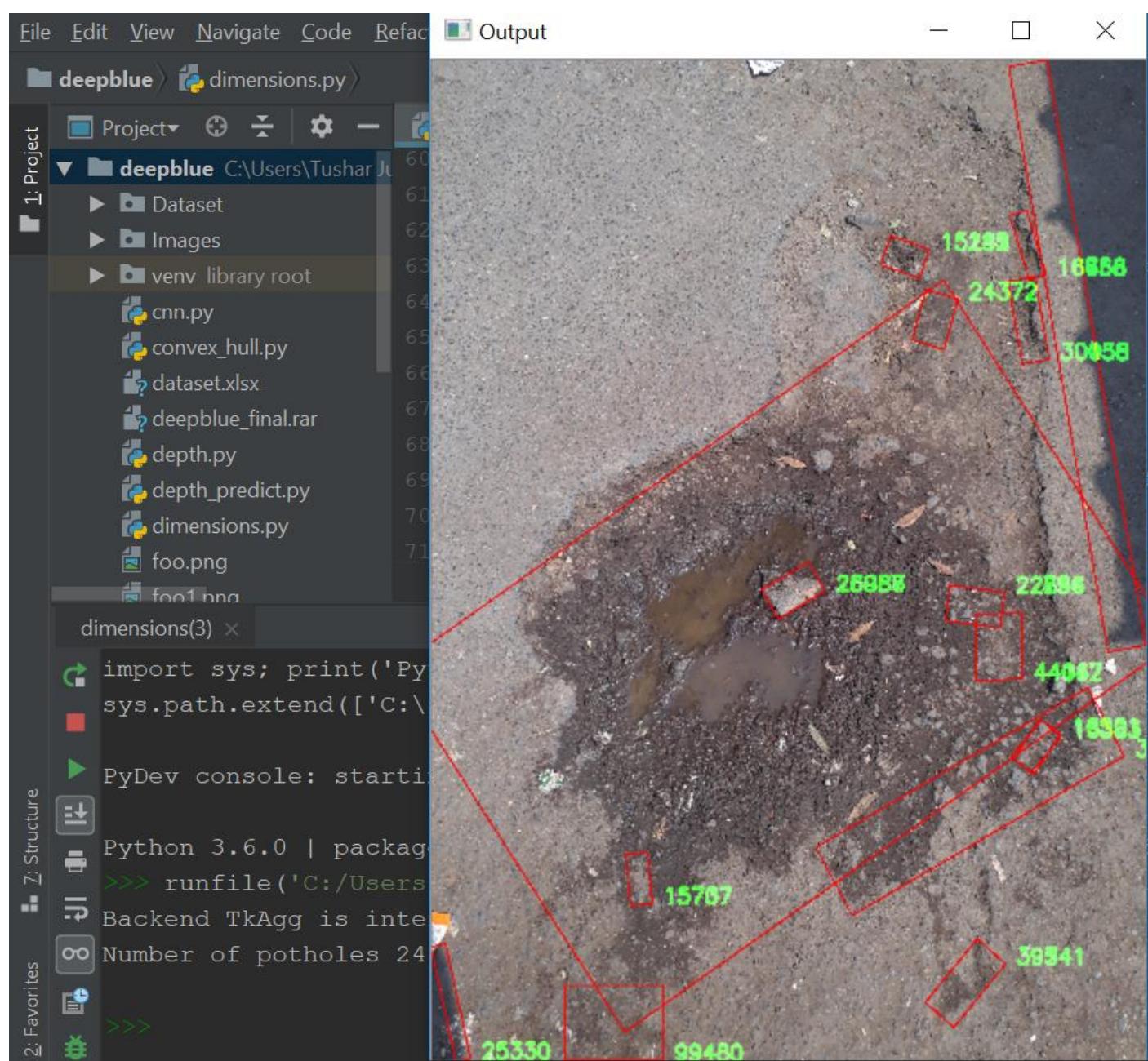
Pot51



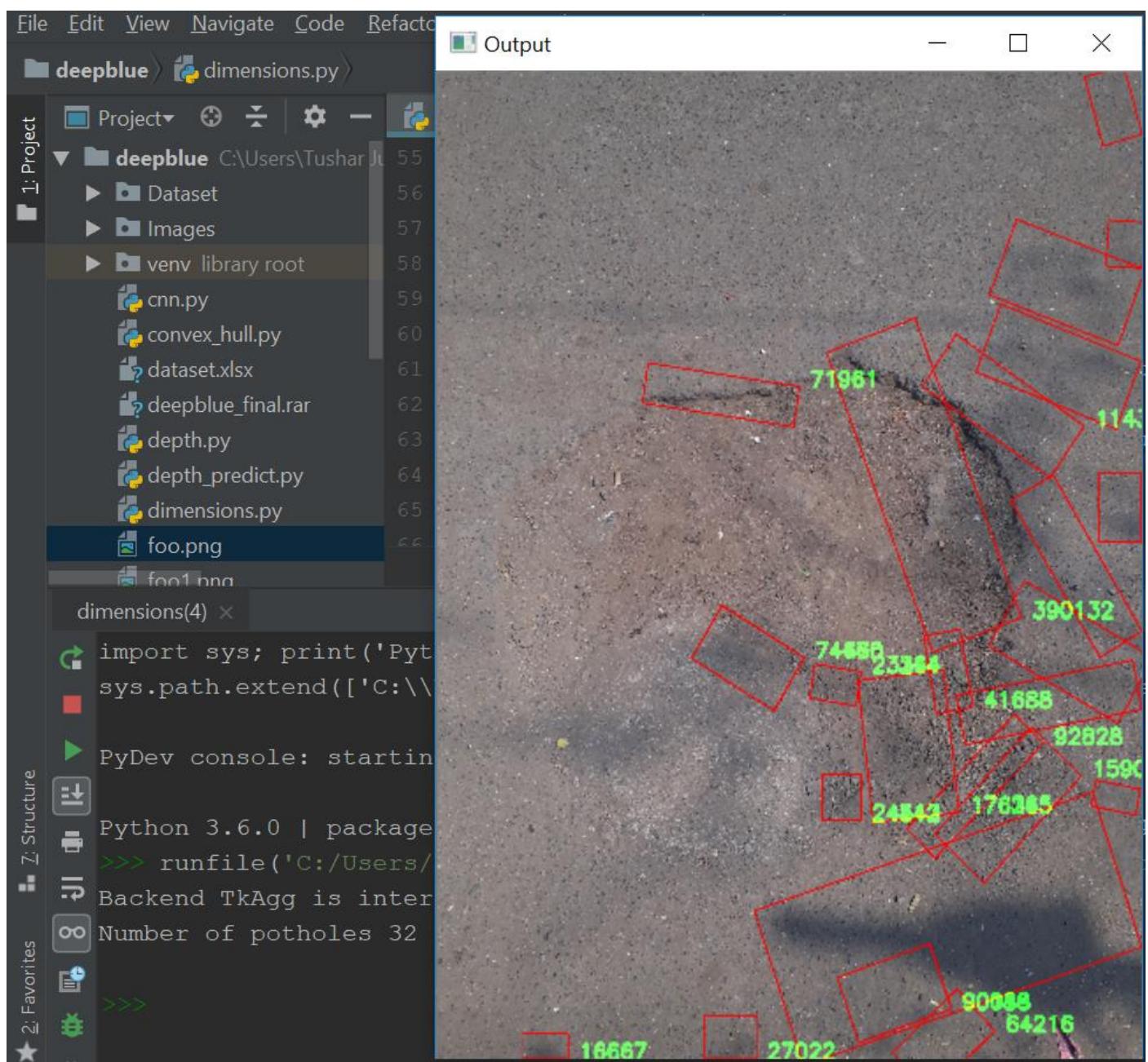
Pot61



Pot71



Pot81



Pot91



Screenshot of a Python development environment (PyCharm) showing a project named "deepblue" and its contents:

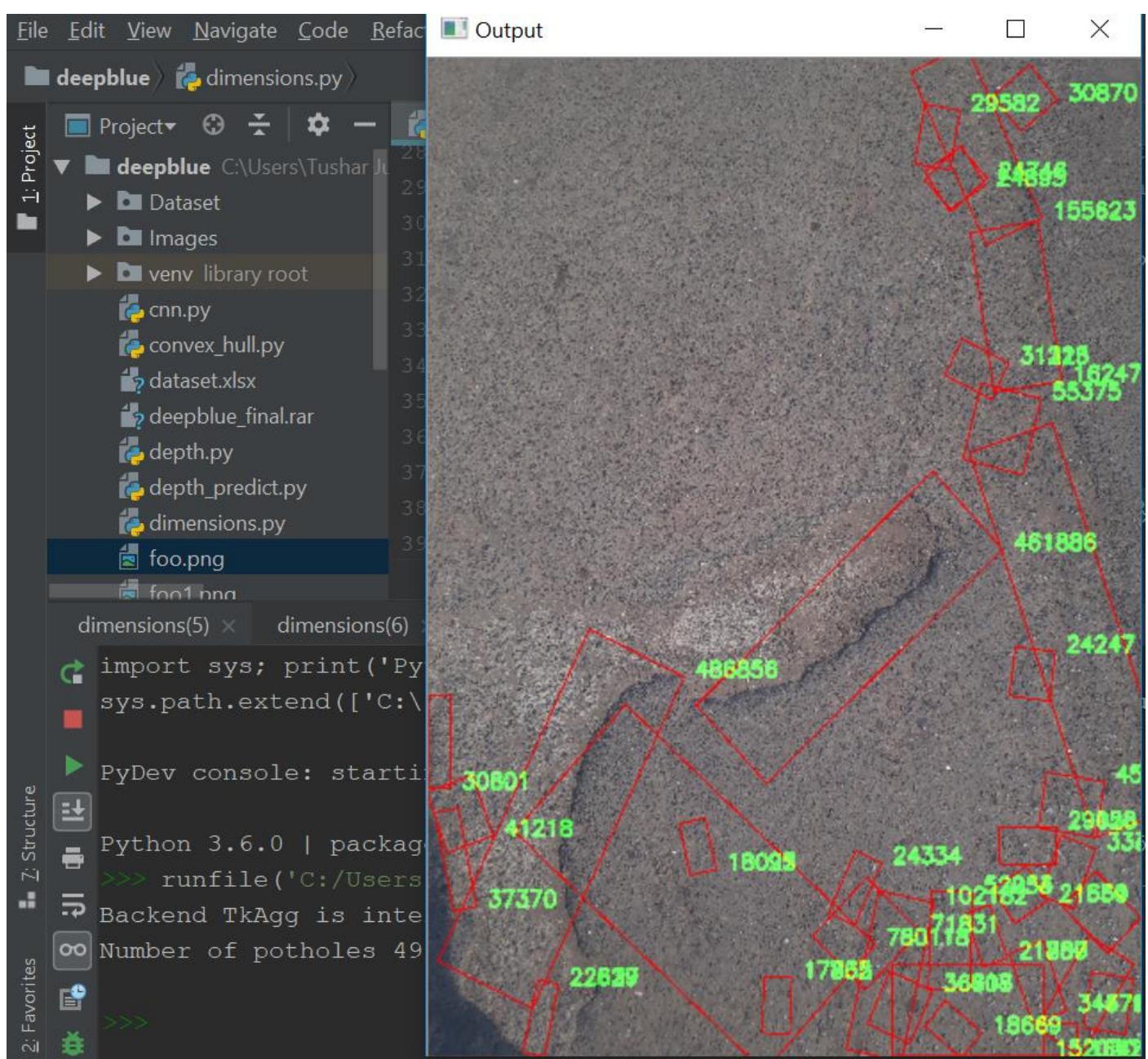
- Project tree:
 - deepblue
 - Dataset
 - Images
 - venv library root
 - cnn.py
 - convex_hull.py
 - dataset.xlsx
 - deepblue_final.rar
 - depth.py
 - depth_predict.py
 - dimensions.py
 - foo.png
 - foo1.bno
- Code editor (dimensions.py):

```
import sys; print('PyDev console: starting...')

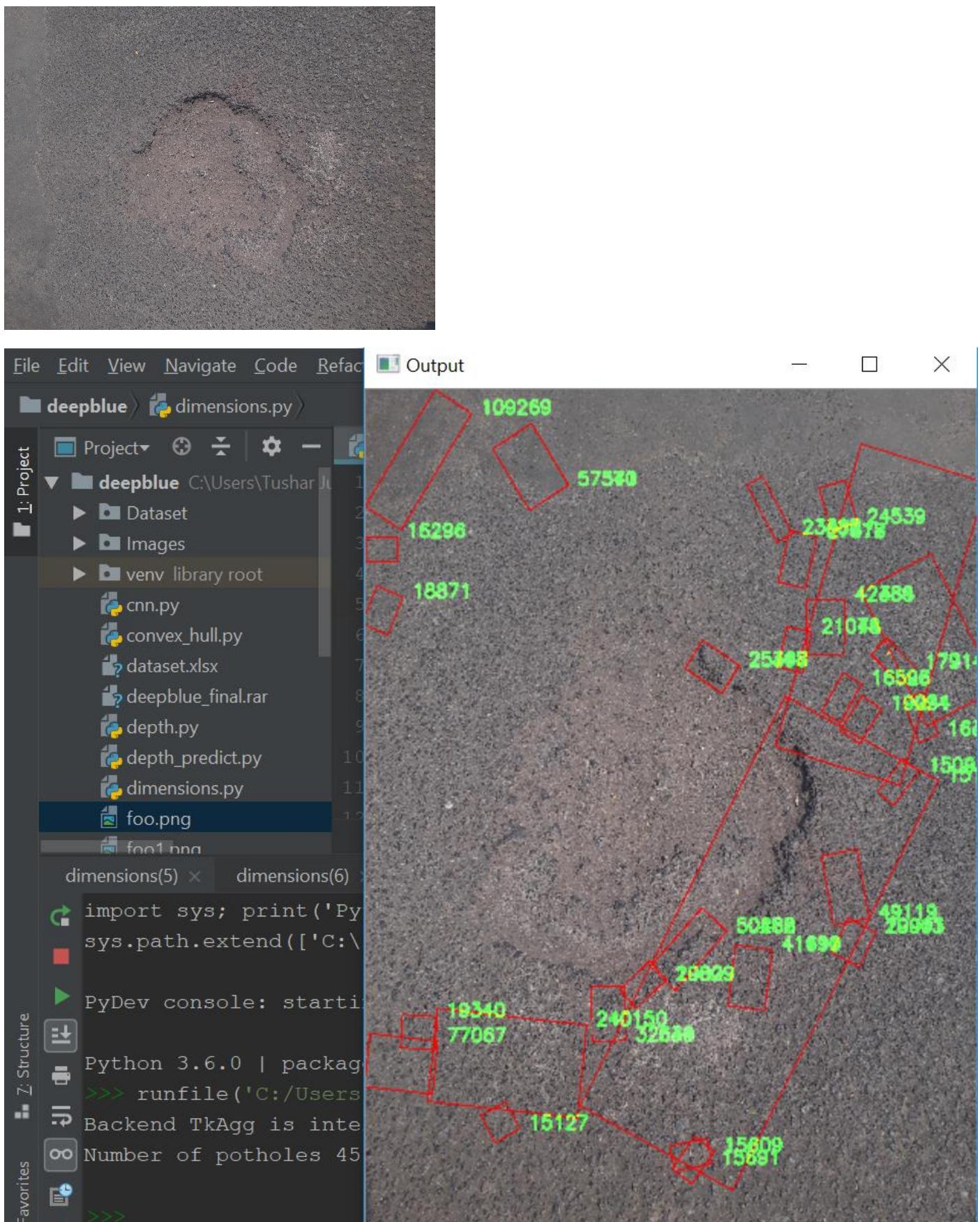
Python 3.6.0 | packaged by conda-forge | (default, Mar 29 2018, 13:34:46)
[omp] on darwin
Type "help", "copyright", "credits" or "license" for more information.

>>> runfile('C:/Users/Tushar Jaiswal/Desktop/deepblue/deepblue/dimensions.py', 1)
Backend TkAgg is integrated
Number of potholes 10
>>>
```
- Output window:An image of a pothole on a street. Red boxes highlight specific features: one box around the hole itself contains the numbers 43981 and 21286; another box around a dark, irregular area to the right contains 62417 and 2935; a third box at the bottom right contains 133015; and a fourth box at the bottom right corner contains 1789882. The background shows a paved road with a yellow utility access panel.

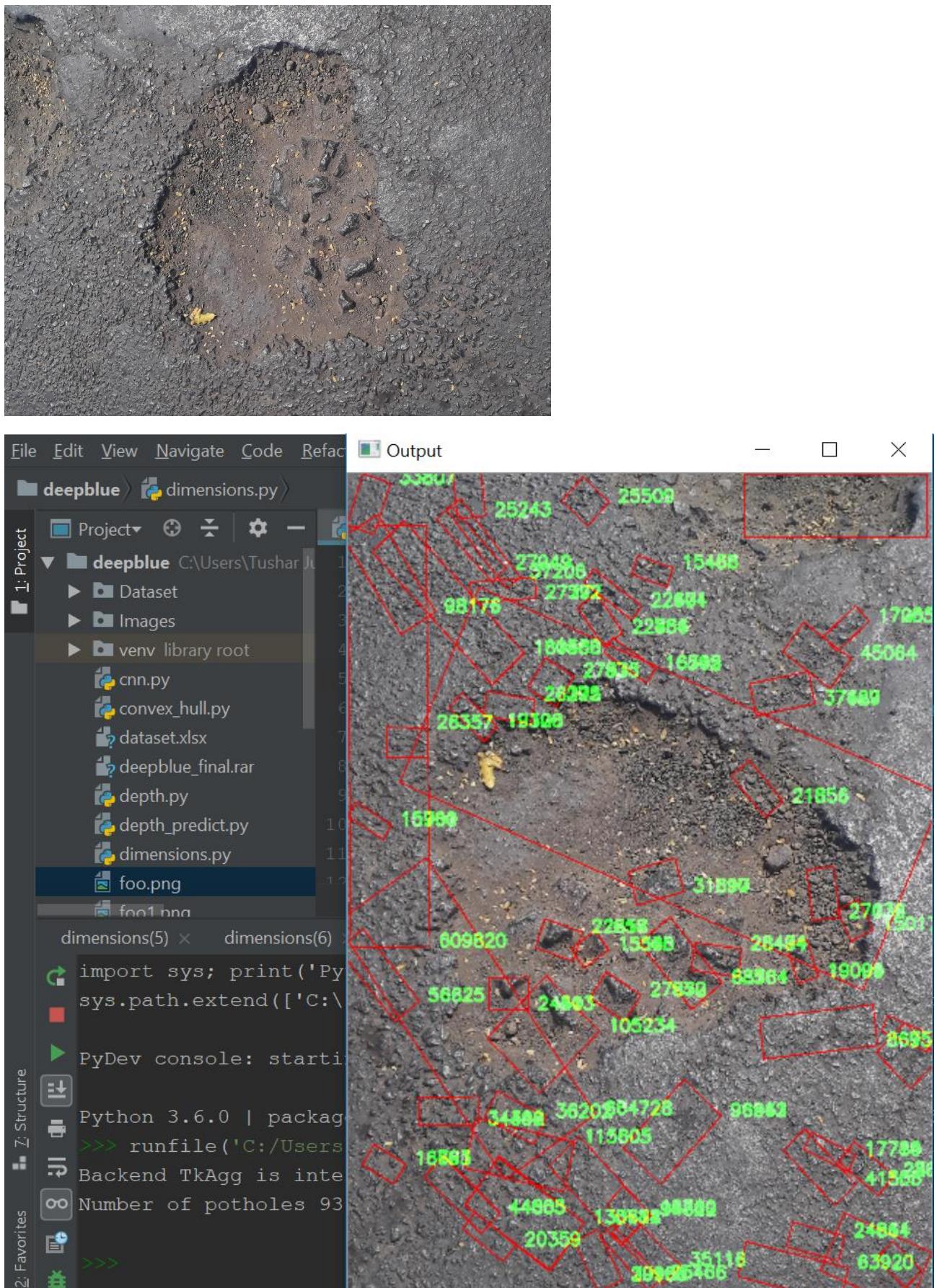
Poth10



Poth11



Poth12



Poth13



File Edit View Navigate Code Refactor

deepblue dimensions.py

Project C:\Users\Tushar J... deepblue

- Dataset
- Images
- venv library root
- cnn.py
- convex_hull.py
- dataset.xlsx
- deepblue_final.rar
- depth.py
- depth_predict.py
- dimensions.py
- foo.png
- foo1.png

dimensions(5) x dimensions(6) x

```
import sys; print('Python %s on %s' % (sys.version, sys.platform))
PyDev console: starting
```

Python 3.6.0 | packaged by conda-forge | (default, Mar 29 2018, 13:32:45)
Backend TkAgg is interactive
Number of potholes 0
>>>

The screenshot shows a Python development environment with a project named "deepblue". The "Project" view on the left lists files and folders including "dimensions.py", "cnn.py", and "dataset.xlsx". The "Output" tab on the right displays the results of running the "dimensions.py" script, which prints the Python version and platform, starts a PyDev console, and outputs the number of potholes found in the dataset as 0. A photograph of a pothole is visible at the top of the screen.

Poth14



The screenshot shows a PyCharm IDE interface with the following details:

- Project:** deepblue
- Files:** dimensions.py (selected), foo.png, foo1.png, cnn.py, convex_hull.py, dataset.xlsx, deepblue_final.rar, depth.py, depth_predict.py.
- Code Editor:** The dimensions.py file contains Python code for pothole detection, including imports and a runfile command.
- Output Window:** Shows the results of running the script, including the number of potholes detected (27) and a list of coordinates.
- Image Preview:** The foo.png image displays a road surface with red bounding boxes and green numerical labels indicating the count of potholes found in each box. Labels include: 62526, 21414, 21522, 45163, 352085, 15487, 157468, 25228, 87582, 1525922, 273, 172433, 214415.

Poth15

