

# **Project 2**

*Release*

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## Table of Contents

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<b>Python Module Index</b>	<b>3</b>
<b>Index</b>	<b>5</b>



Create object to reference the neural network:

```
sr = dnn_superres.DnnSuperResImpl_create()
```

Grab desired model, read it in, and set it to be used.:

```
path = "LapSRN_x4.pb"
sr.readModel(path)
sr.setModel("lapsrn", 4)
```

Ask user for input file and read it in.:

```
img = input("Input File: ")
image = cv2.imread(img)
```

Do the work and print a success message:

```
result = sr.upsample(image)
path, filename = os.path.split(img)
print("Successfully upscaled " + filename + "!")
```

Actually do the work and write it to a new file:

```
cv2.imwrite("upscaled_" + str(filename), result)
print("wrote upscaled_" + str(filename) + " to file")
```

**class Project\_2.vocabfetch.KeyListener ( obj )**

Class containing init and listener() to start/end keylogging.

**class Project\_2.vocabfetch.Keys**

Class containing two static utility functions

**static on\_keypress ( key )**

On key PRESS do nothing

**static on\_keyrelease ( key, obj )**

On key RELEASE, check what key it is. If key is 'M', display another line of output. If key is "Q", quit displaying output and return to shell.

**Project\_2.vocabfetch.ScrapeMeaning ( )**

Usage : python <filename> word Python version : 3.0+ Word type : string (or "str")

**class Project\_2.vocabfetch.Vocab**

Class containing self init as well as various webscraping/prettifying functions

**fetchpage** ( *word: str* ) → None

Starts a connection to Internet. Raises connection error if failed.

**getdata** ( ) → None

Parses HTML document

**prettyprint** ( ) → None

Makes output more bearable

- genindex
- modindex
- search

**p**

Project\_2

Project\_2.vocabfetch, [XX](#)





## F

fetchpage() (Project\_2.vocabfetch.Vocab method), 2

## G

getdata() (Project\_2.vocabfetch.Vocab method), 2

## K

KeyListener (class in Project\_2.vocabfetch), 1

Keys (class in Project\_2.vocabfetch), 1

## M

module

Project\_2.vocabfetch, 1

## O

on\_keypress() (Project\_2.vocabfetch.Keys static method), 1

on\_keyrelease() (Project\_2.vocabfetch.Keys static method), 1

## P

prettyprint() (Project\_2.vocabfetch.Vocab method), 2

Project\_2.vocabfetch  
module, 1

## S

ScrapeMeaning() (in module Project\_2.vocabfetch), 1

## V

Vocab (class in Project\_2.vocabfetch), 1

