

Image to pencil sketch using opencv

In [5]: `!python --version`

Python 3.9.7

In [6]: `!pip install opencv-python`

Collecting opencv-python

Downloading opencv_python-4.5.5.64-cp36-abi3-win_amd64.whl (35.4 MB)

Requirement already satisfied: numpy>=1.17.3 in c:\users\user\anaconda3\lib\site-packages (from opencv-python) (1.20.3)

Installing collected packages: opencv-python

Successfully installed opencv-python-4.5.5.64

In [7]: `import cv2`

In [3]: `import cv2
from PIL import Image

image = cv2.imread("cat.png")
gray_image = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)
inverted = 255-gray_image
blur = cv2.GaussianBlur(inverted, (21, 21), 0)
invertedblur = 255-blur
sketch = cv2.divide(gray_image, invertedblur, scale=256.0)
cv2.imwrite("sketch_image.png", sketch)

#Real Image
ring = Image.open("cat.png")
ring.show()

#Sketched Image
img = Image.open("sketch_image.png")
img.show()`

In [11]: `import cv2
from PIL import Image

image = cv2.imread("mypic.jpg")
gray_image = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)
inverted = 255-gray_image
blur = cv2.GaussianBlur(inverted, (21, 21), 0)
invertedblur = 255-blur
sketch = cv2.divide(gray_image, invertedblur, scale=250.0)
cv2.imwrite("sketch_myimage.png", sketch)

#Real Image
ring = Image.open("mypic.jpg")
ring.show()

#Sketched Image
img = Image.open("sketch_myimage.png")
img.show()`

In []:

