

IMAGE TO PENCIL SKETCH WITH PYTHON

DONE BY

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In [4]: `import cv2 as c`

In [5]: `img = c.imread("C:/Users/kevan/Desktop/Dog.png")`

In [27]: `c.imshow("originalfile", img)
c.waitKey(0)`

Out[27]: -1

Covertng the image to greyscale

In [28]: `grey_image = c.cvtColor(img,c.COLOR_BGR2GRAY)`

Displaying the inverted Grey image

In [29]: `c.imshow("greyfile",grey_image)
c.waitKey(0)`

Out[29]: -1

Inverting the grey image

In [30]: `invert_image = 255-grey_image`

Displaying the inverted Gray image

In [31]: `c.imshow("Inverted image", invert_image)
c.waitKey(0)`

Out[31]: -1

Blurring the image by using Gaussian Function

In [32]: `blurred_image = c.GaussianBlur(invert_image, (21,21),0)`

Displaying the blurred Image

In [33]: `c.imshow("Blurred Image", blurred_image)
c.waitKey(0)`

Out[33]: -1

Inverting the blurred image

In [34]: `inverted_blurred_image = 255-blurred_image`

Displaying the inverted blurred image

In [35]: `c.imshow("Inverted Blurred Image", inverted_blurred_image)
c.waitKey(0)`

Out[35]: -1

Creating the pencil sketch image

In [36]: `pencil_sketch= c.divide(grey_image,inverted_blurred_image, scale=256.0)`

Displaying the pencil sketch

In [37]: `c.imshow("Pencil sketch", pencil_sketch)
c.waitKey(0)`

Out[37]: -1

In []: