MAJOR PROJECT 2

BLURRING TECHNIQUES USING OPEN CV

AND

USE OF CV2.POLYLINES USING NUMPY

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GitHub Link: https://github.com/Krati-Bhat/Major-Project.git

PYTHON CODE:

```
import cv2
import numpy as np
img=cv2.imread(r'C:\Users\KRATI BHAT\OneDrive\Desktop\cat.webp')
cv2.imshow('img',img)
average=cv2.blur(img,(7,7))
cv2.imshow('Average Blur',average)
gauss=cv2.GaussianBlur(img,(7,7),0)
cv2.imshow('GaussianBlur',gauss)
median=cv2.medianBlur(img,3)
cv2.imshow('Median Blur',median)
b=cv2.bilateralFilter(img,10,35,15)
cv2.imshow('bilateral',b)
image = cv2.imread(r'C:\Users\KRATI BHAT\OneDrive\Desktop\geeks.jpg')
window_name = 'Image'
pts = np.array([[25, 70], [25, 160],
                                [110, 200], [200, 160],
                                [200, 70], [110, 20]],
                           np.int32)
pts = pts.reshape((-1, 1, 2))
isClosed = True
color = (255, 0, 0)
thickness = 2
image = cv2.polylines(image, [pts],isClosed, color, thickness)
while(1):
   cv2.imshow('numpysample', image)
```

```
    if cv2.waitKey(20) & 0xFF == 27:
        break

cv2.destroyAllWindows()
```

Output:


Average Blur


GaussianBlur


Median Blur


bilateral


numpys...