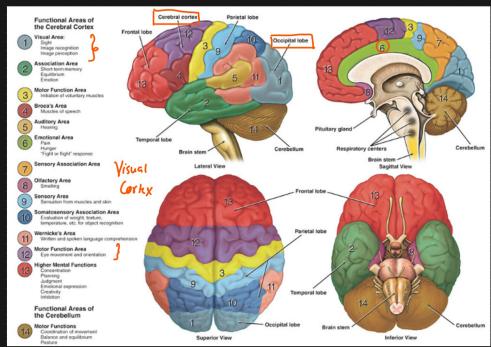
Convolutional Neural NIW



https://www.dana.org

2 CNN: I/p => Images Eg: Image Classification,
Object Detection, Segmentation

2 Cembral Cortex And Visual Cortex

Visual Cortex (VI-V5) [Region of the brain that recieve, integrates and processors

visual information relayed from the retinas].

VI -> Primary Visual Cortex [Orientation of edges

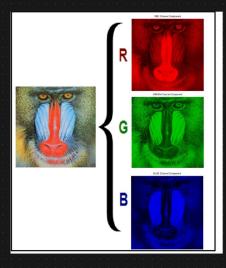
And fine]

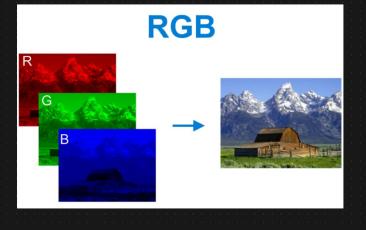
V2 [Differences in color, complex patterns, Object ordentation]

V3 V4 V5 [Object Recognition]

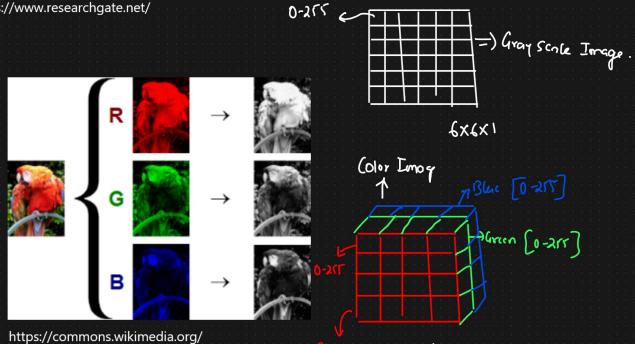
Vikuelize the Image

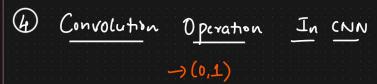
Images And Gray Scale Images 3 RGB





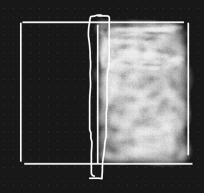
https://www.researchgate.net/





0	0	0	322	211	255
0	0	0	255	255	215
0	0	00 0	255	255	255
٥	0	0	205	วุฬ:	<u>کارت</u> :
0	0	0	255	255	255
0	, O	ט '	255	225	255

6x6×1



4×4×3

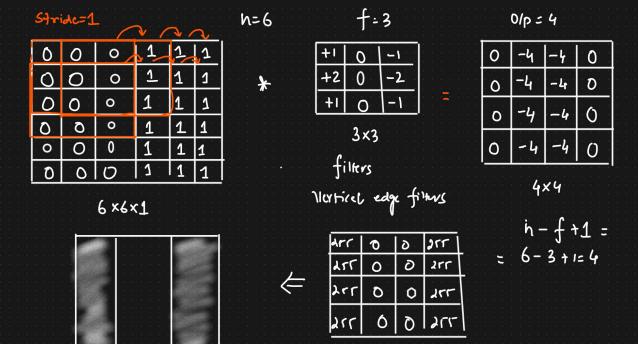
Stp1

(1) Normalize

Divide by 255

+1	† 2	411
0	0	v
-1	2 –	- 1 °

Convolution Operation



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0	0	0 0		
٥	9		 	
0	0	0		
0	0	ט ו	 	



0	-4	-4	0
٥	-4	-L	D
٥	-4	-4	O
0	-4	-4	O