

THE PROJECT
Works on document
digitalization

O3 | IMAGE PROCESSING
Deliverable 2

BINARY CLASSIFICATION

02 Deliverable 1

• IMAGE CAPTIONING
O4 Deliverable 3

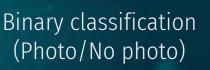
THE PROJECT

THE PROJECT

TouNum company request:









Loading images

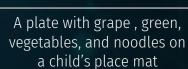






Pre-processing



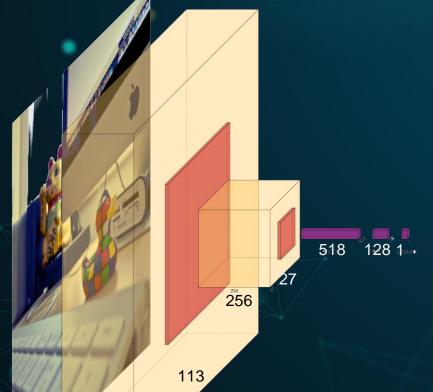


Captioning

BINARY CLASSIFICATION

02

BINARY CLASSIFICATION



256

2 Convolutions

3 Denses

Convolution

Pixels values

0.5	0.4	0.8	0.7	0.6	0
0.2	0.7	0.3	0.4	0.9	0.1
1	0.5	8.0	0.3	0.2	0.7
0.8	0.6	0.1	0.4	0.6	0.9
0.3	0.5	0.4	0.7	0.1	0.6
0.4	0.9	0.8	0.8	0.5	0.2

Convoluted image



1	2	1
2	4	2
1	2	1

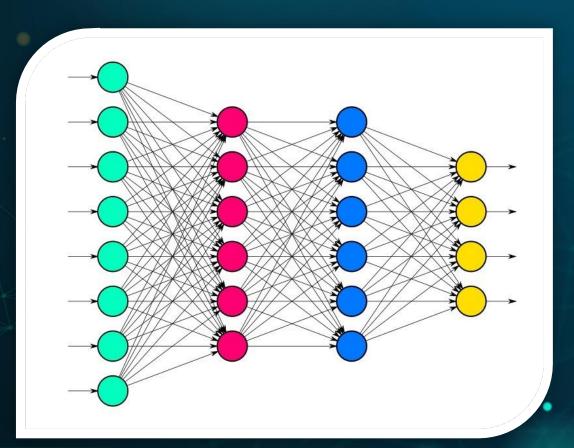
Kernel 3x3 Pixels

					•
		7.7			
•		7N-		•	
	/7				W
	4		_		M

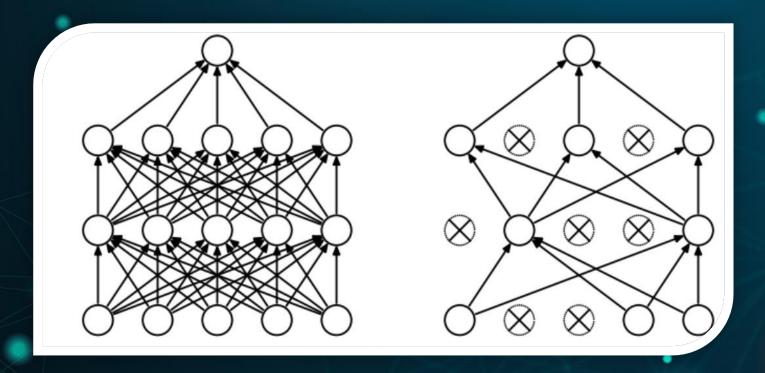
0.7x1=0.7 0.3x2=0.6 0.4x1=0.4 0.5x2=1 0.8x4=3.2 0.3x2=0.6 0.6x1=0.6 0.1x2=0.2 0.4x1=0.4

0.7 + 0.6 + 0.4 + 1 + 3.2 + 0.6 + 0.6 + 0.2 + 0.4 = 7.7

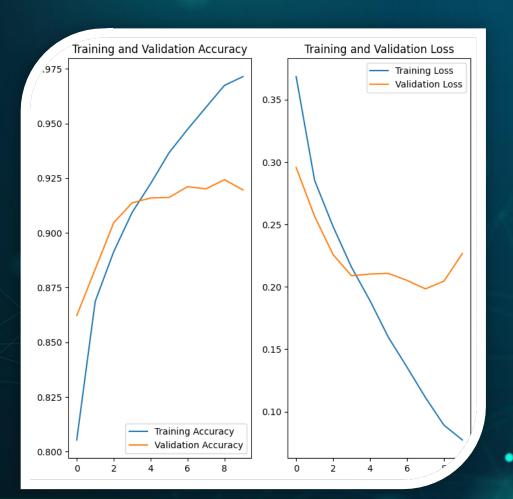
Dense



Dropout



Evaluate



Execute







Critica mixed presently and pixed the critic. We has received a restal along all follows the primes. Critica mixed primes are startly along all follows the primes because the critical mixed and the critical mixed mixed and the critical mixed mixed because and the critical mixed mixed because the critical mixed m

ACTUAL TEAM





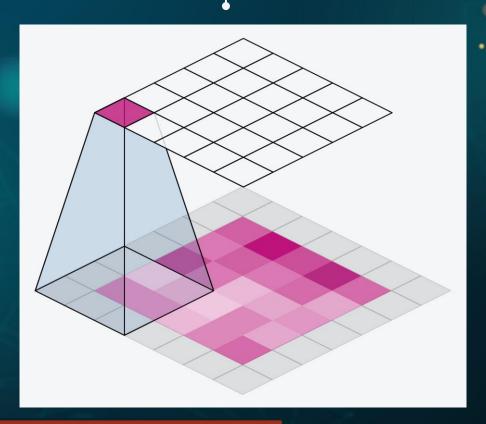




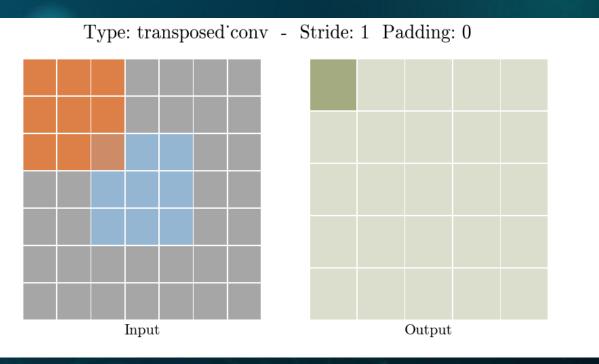




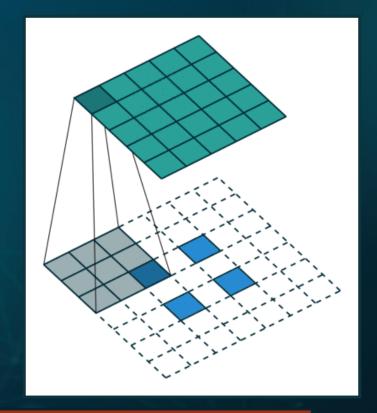
Max pooling



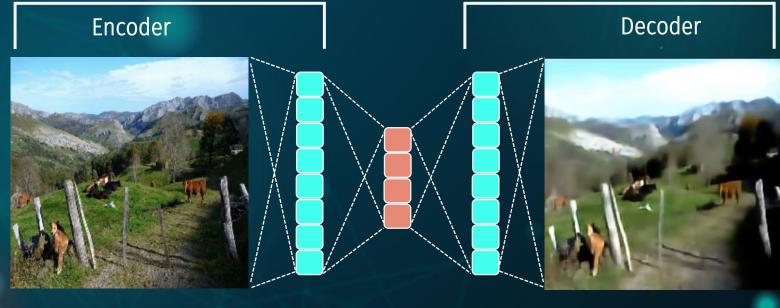
Transposed Convolution



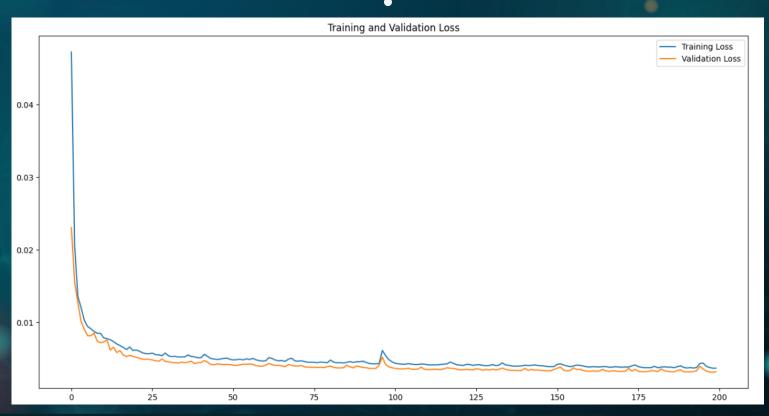
Up sampling



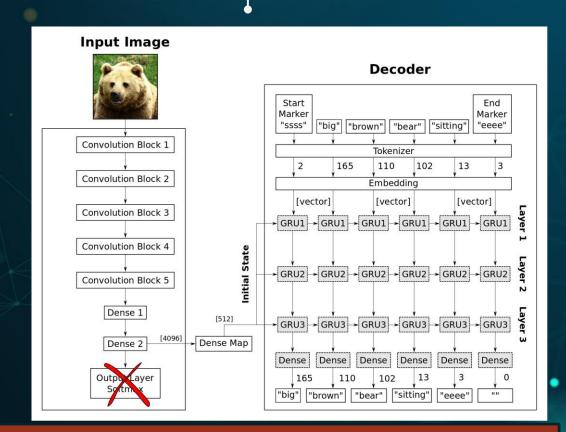
Autoencoder:

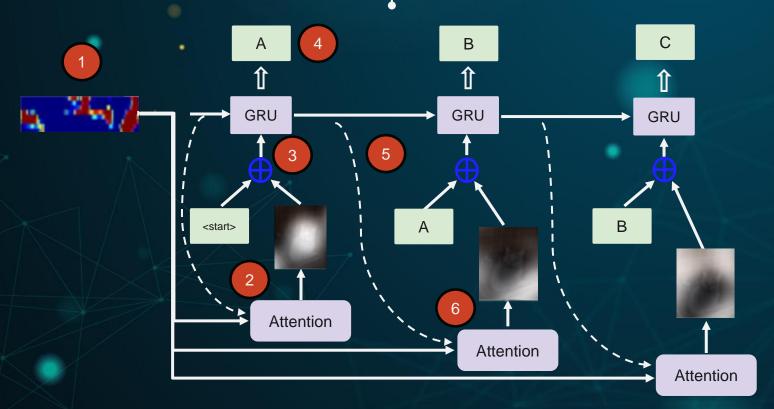


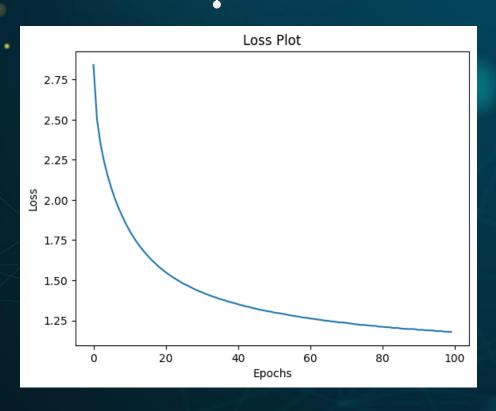
Input Output

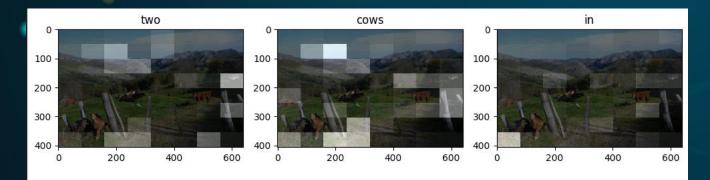


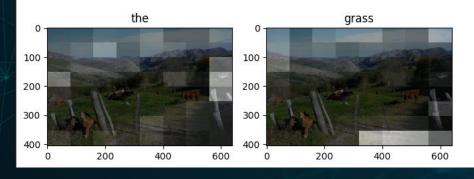
04











CONCLUSION

Binary Denoising classification **Pipeline**

Captionning

Thankyou for your attention