Agendas

LO CNN - convolutional Neural Network

2) Feature Extractor

Deep Learning!

BANN - Antificial Neural Networks

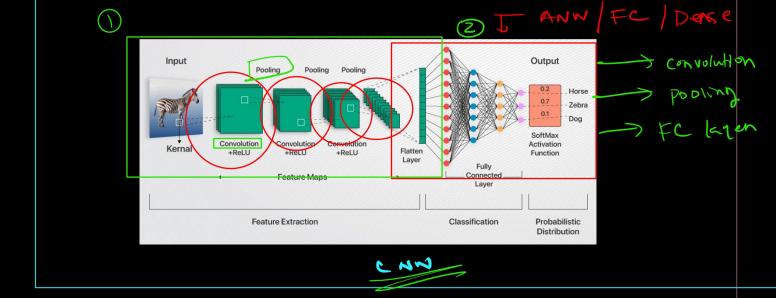
2 CMN - Convolutional Heunal Networks

3 RAN - Recurrent Heured networks

what is CNM ?

convolutional Neural Networks also known as convnet and, are the special living of Neural Notwer for processing DAR that has a known grid like

toro 10 24.



O ANN -> Matria Multiplication

2 CNN -> CONVOLUTION

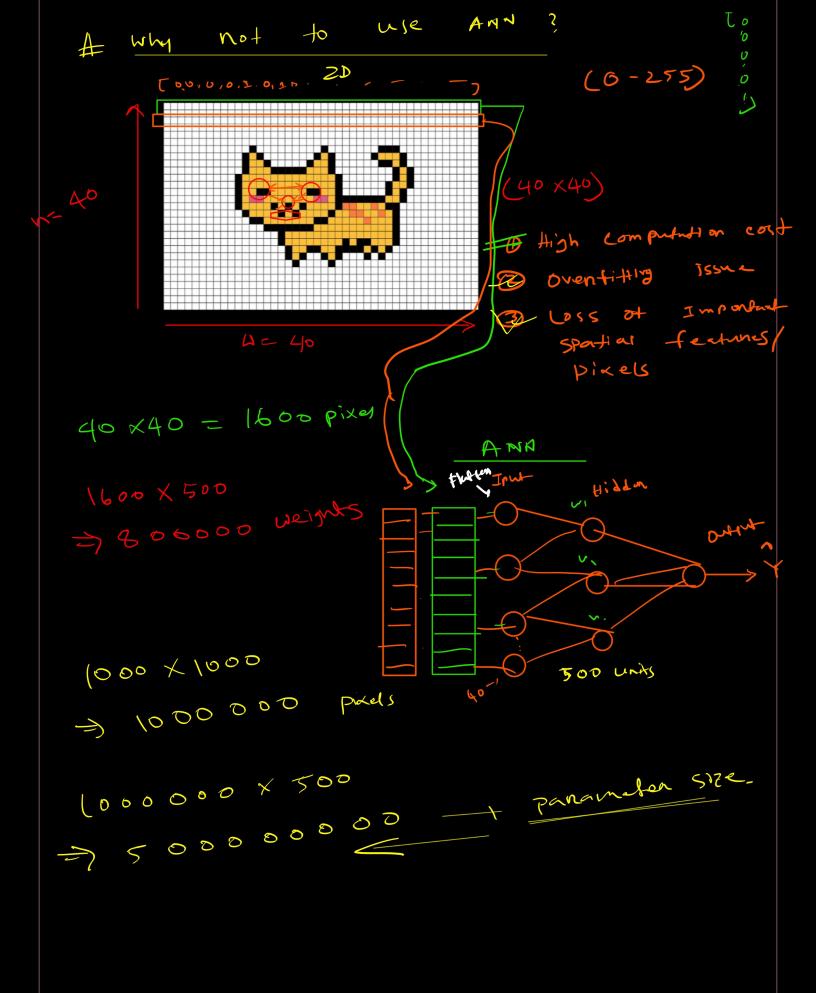
1998 - Fam Lecan - AT and 1

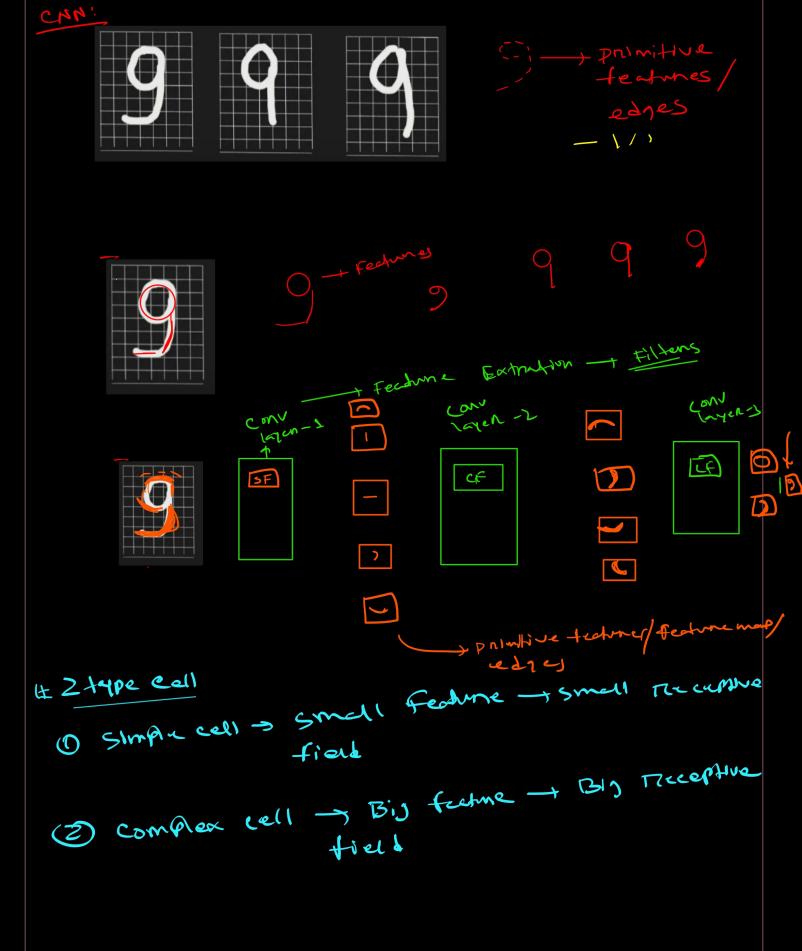
1-1 50

O Digit

(2) Alphabot

Resnet -50, Inception, VGG16, Alexanders





filturs ______ Mutrix (3,3), (5,5), (7,7)

3

—ı	Ð	١		Sobel	Filten	
-2_	D	2				Detection
-1	O	٢		Ventica	69/6	

(3/3)

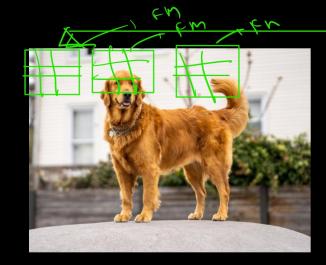
3

- 1	2	J		solved +	tilten	
0	O	0				ndecton
-1	-2	-1		Honizontal	(B)	

CND XI XI XI BR

= (. 655

Cun - (NN)



305

A COMOLUTION

- O com layer
- 2 pooling layer
- 3 to layer
 - @ RELU
- (CNN Anchitequie:
 - 1 con layer
 - 5 600 mg ,
 - E Palal of
 - 1 Smile
 - O Actuation Function
 - 6 Data Augmentation
 - (1) CHN 15 AND
 - \$ BP 12 CND

T project -> Classifien System

T popular CNW ARENIFETT

T RESMET

T JOG

T INCH HON

Transfer leaving 4