# Artifician Intelligence (AI) - 1st June 2024

JONN MLP - Tables

Gen AI - CLM

CNN Convnets - Inage

RNN LSTM GRU-Text Franslador Andio to Text
Text to gradie

NLP

Fransformer, BERT, GPT

BSSic HOAV

Computer vision opency - face retterself itself is

Re-Inforcement Learning-

June 1 July, And, sup- 1st week

-> GANG & Antoencoder - unsufre

webinar Chat fantasy images? yes sir Gunanidhi Mohanty to Hosts and panelists Ch Usha Kumari to Hosts and panelists yes sir Aishwarya Singh to Hosts and panelists just a suggestion whatever you teach, please write so that we can make note PRAMOD K. to Hosts and panelists yes. sir. Sir this is the introducyion? I miss 15 min Santoshkumar Pandit to Hosts and panelists yes Sir understanding...

Aishwarya Singh to Hosts and panelists

2 Who can see your messages? Recording on

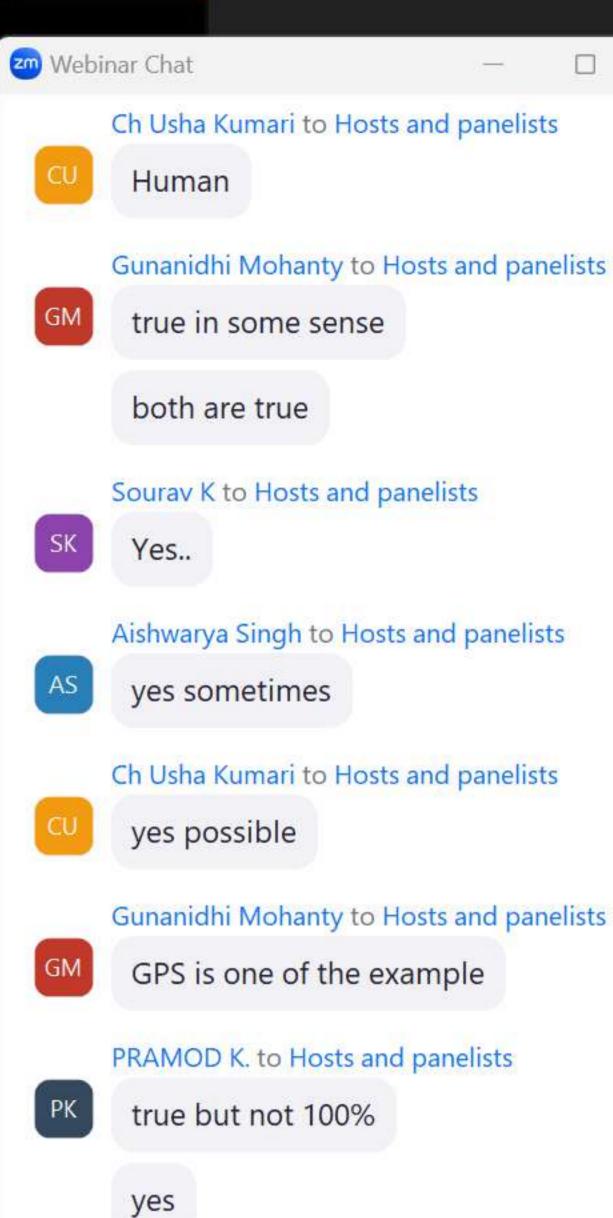
Hosts and panelists 🗸

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### Industri-Revolution

- Machine Steam-based
- (2) 2hd revolution (endury -> Electrical energy-berged many proof
- lage 20th century computer & Internet based 10 now le obje
- an Revolution 31st contumy 2012

2 +2 -2 = 3



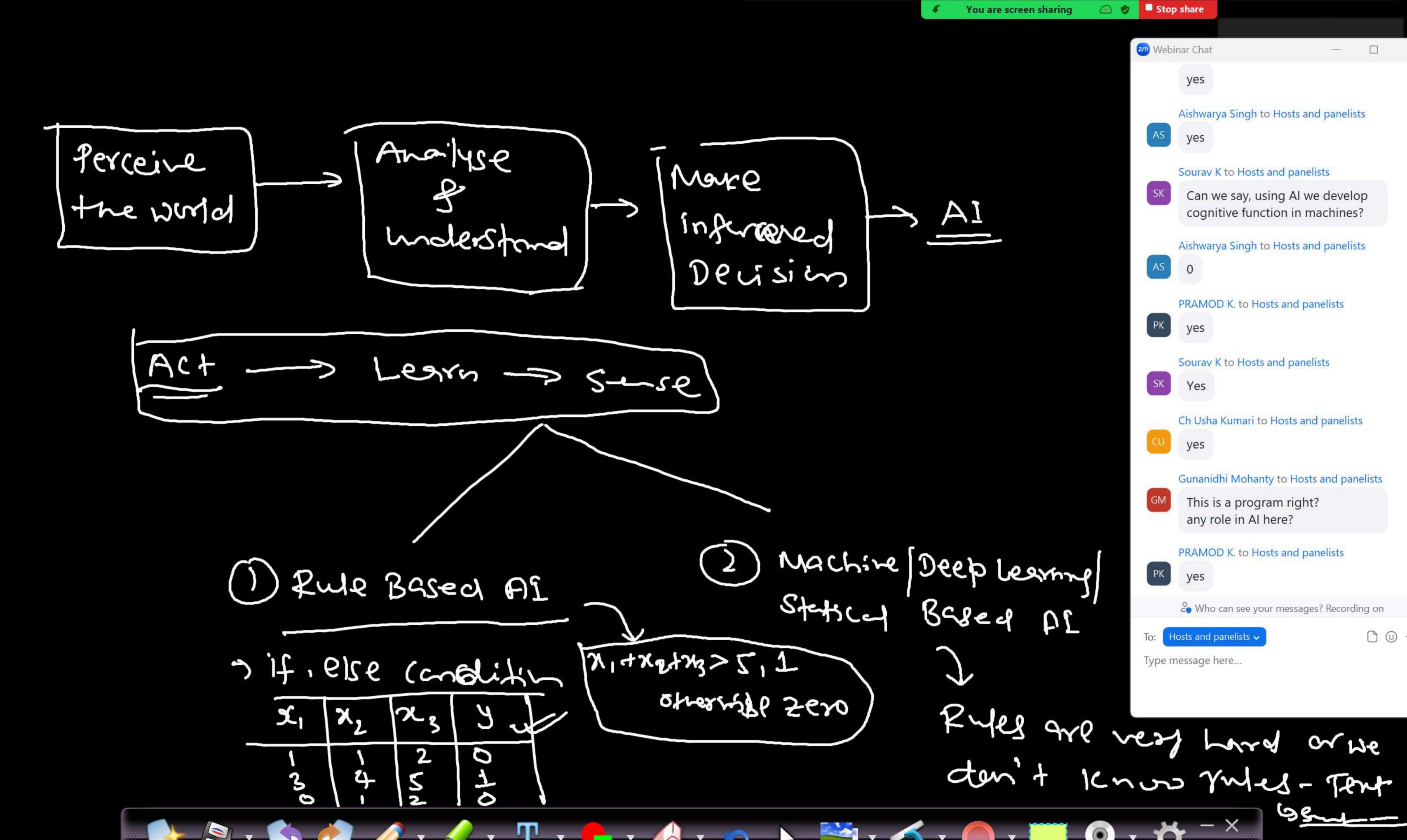
Aishwarya Singh to Hosts and panelists

Who can see your messages? Recording on

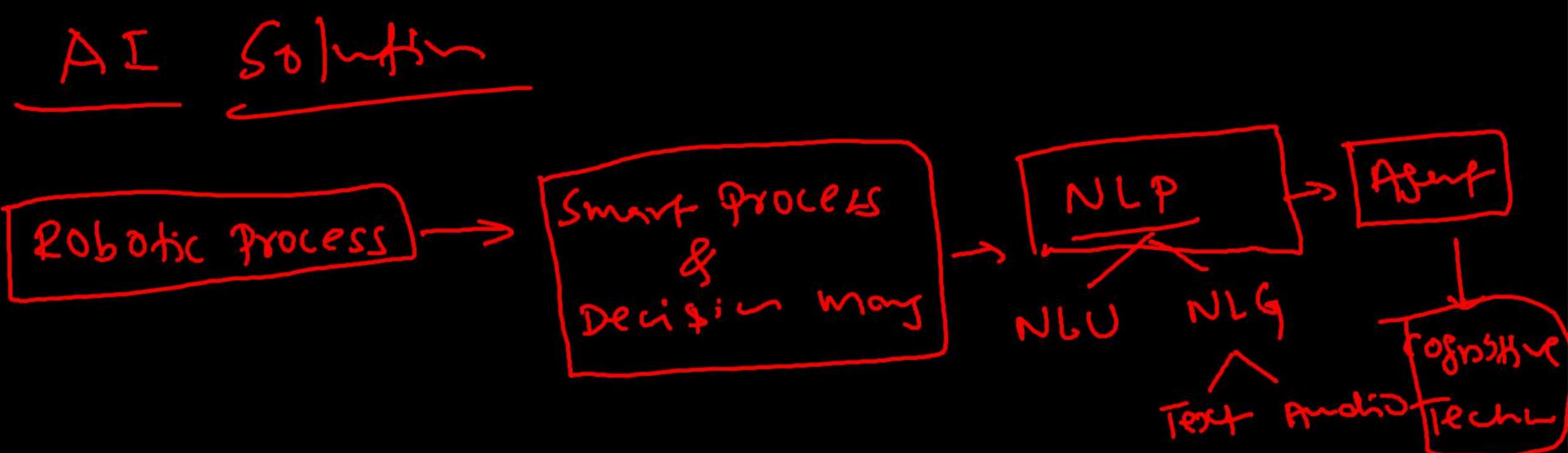
Hosts and panelists .

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Navigate to previous page

Game Theory

Markon Decipion Process-

ML

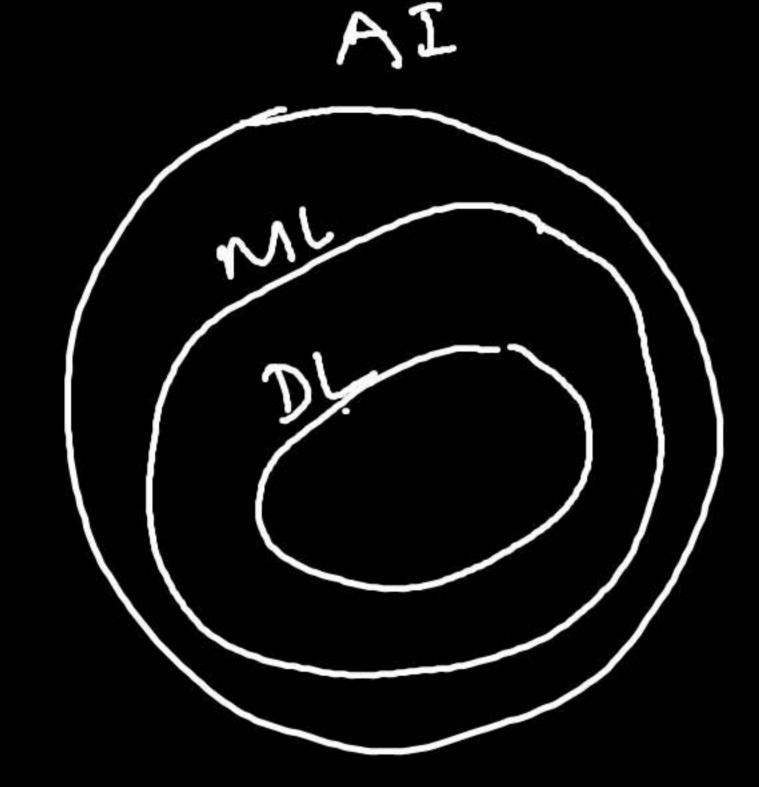
webinar Chat Ch Usha Kumari to Hosts and panelists difficult PRAMOD K. to Hosts and panelists Ch Usha Kumari to Hosts and panelists clear sir Gunanidhi Mohanty to Hosts and panelists yes got it PRAMOD K. to Hosts and panelists PRAMOD K. to Hosts and panelists NLG full form? ok Aishwarya Singh to Hosts and panelists PRAMOD K. to Hosts and panelists

o: Hosts and panelists •

Who can see your messages? Recording on

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### Deep Learns



- Hendware depudency
- Suffwerre dependenty
- Dorth depudency

Training & Testro sine feature selectin

Interpretability

Al Smithm

CPV

NUIDIA

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webinar Chat Gunanidhi Mohanty to Hosts and panelists Aishwarya Singh to Hosts and panelists Mansoor Ali to Hosts and panelists PRAMOD K. to Hosts and panelists explain once again got it Ch Usha Kumari to Hosts and panelists yes sir abhishek to Hosts and panelists curse of dimensionality PRAMOD K. to Hosts and panelists Gopala Krishna to Hosts and panelists 2 Who can see your messages? Recording on Hosts and panelists .

2012 - DEEP Cerry

ML Numpy, panders, 510/earn,

Tensorflow, Kers, Pyturch Theono, NLTK, SARWY, Tentblob, grassmass.

Deproducy

less dare less versichte

more mge dageset - 50k 5Million 1512

webinar Chat Santoshkumar Pandit to Hosts and panelists yes sir PRAMOD K. to Hosts and panelists Mansoor Ali to Hosts and panelists Joel Ratnam to Hosts and panelists yes sir PRAMOD K. to Hosts and panelists Gunanidhi Mohanty to Hosts and panelists Aishwarya Singh to Hosts and panelists Mansoor Ali to Hosts and panelists

2 Who can see your messages? Recording on

Hosts and panelists .

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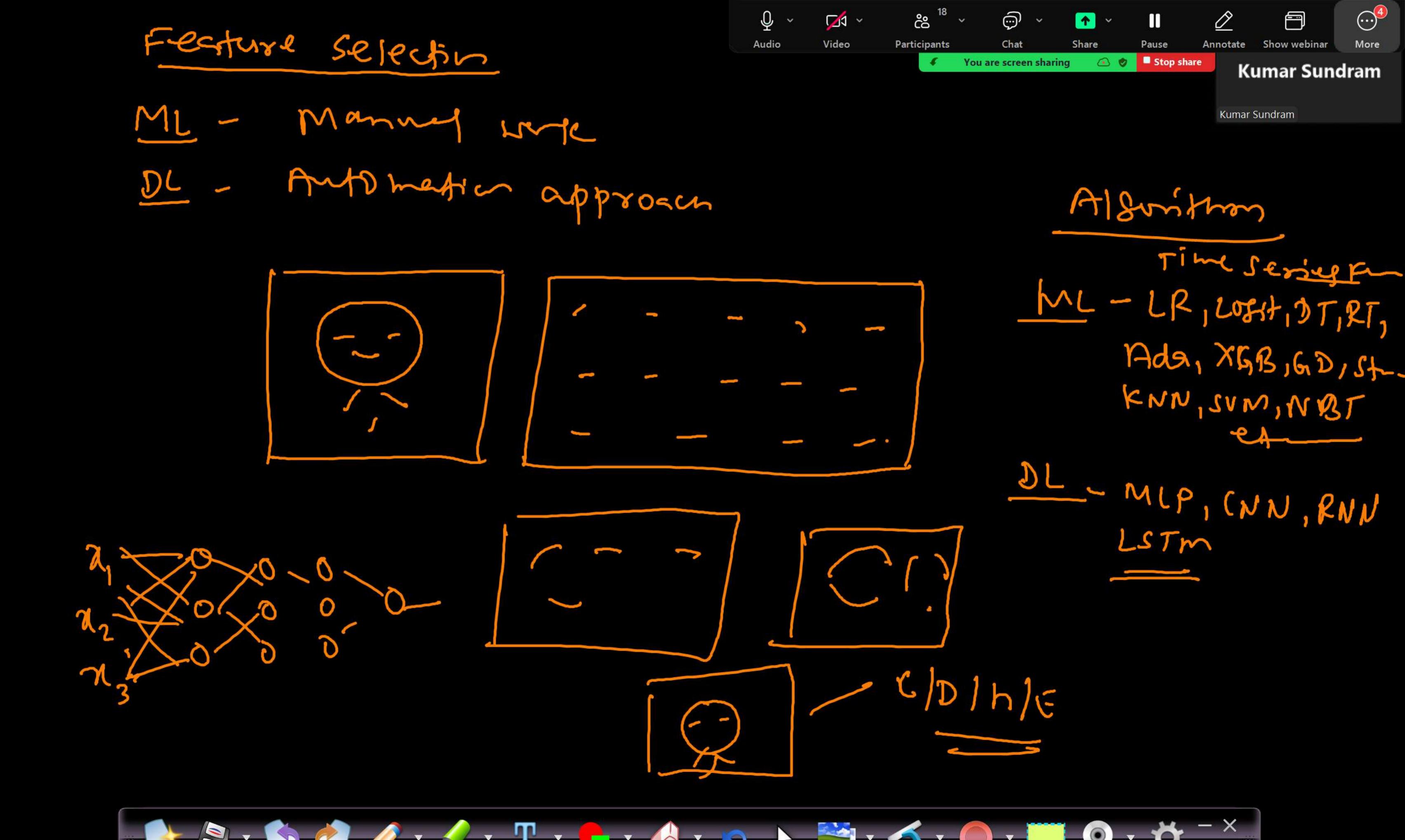
webinar Chat Mansoor Ali to Hosts and panelists Yes Joel Ratnam to Hosts and panelists yes sir PRAMOD K. to Hosts and panelists yes Gunanidhi Mohanty to Hosts and panelists Aishwarya Singh to Hosts and panelists nope Mansoor Ali to Hosts and panelists PRAMOD K. to Hosts and panelists explain once again got it Ch Usha Kumari to Hosts and panelists yes sir 2 Who can see your messages? Recording on

Hosts and panelists V

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■ Stop share

You are screen sharing



# History Of Neural Network of Deep Learning

=> NN are an important ML modelling framethence

-> first simplest NN model built was a "perceptron" Los Built by Rosenbleul - 1957

→ with Small charges a perceptour can be come a Logistic Regressin - Sismoid (urve 1 -00 か ナス

36	NI	212	4 7
5	10	20	0
50	100	200	
50	60	20	1
10	20	130	0

#### **Kumar Sundram**

Kumar Sundram

And Serte	And if $x_1 + x_2 < 2$ , 0				
X1 X2 X1+X2	0/P Otherwise t				
1 0	DEXI DE ACKIVATION F				
	$\alpha$				
2	(4 + + )				
0 0	0 3/2				
T/O (Hidden Cayer)					
Step (Sxi)					
(XINI+NINZ) fuction					
$x, -w_1$					
5 6 10					
W2 -	5				
12	tep Active.				

Kumar Sundram

# Alan Turing (Father of modern computing)

- -> cursossity voise these questin
  - -> Whet is intellequite?
  - -> How should we build it gotificielly 9

brillant Coent

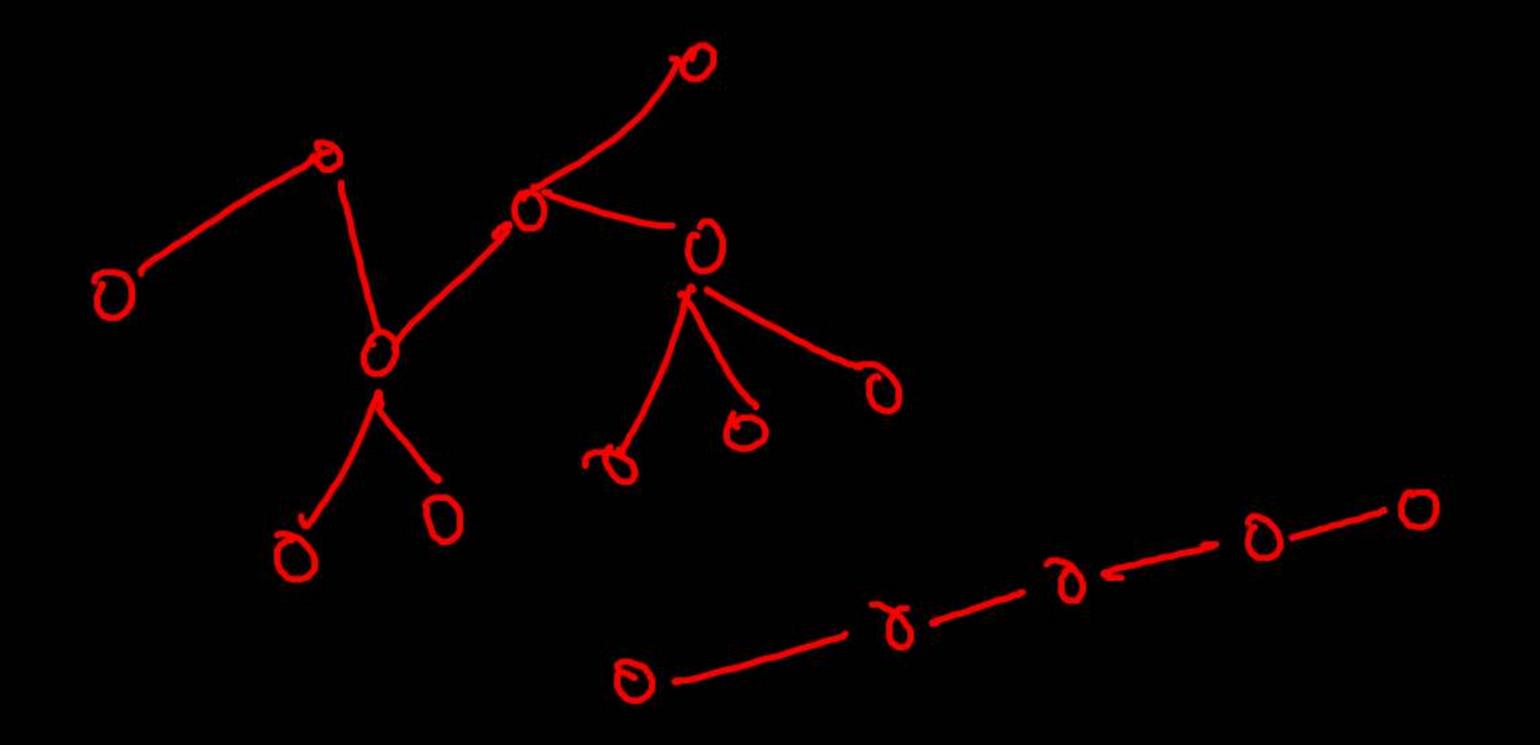
- There was a biological inspired in Siology

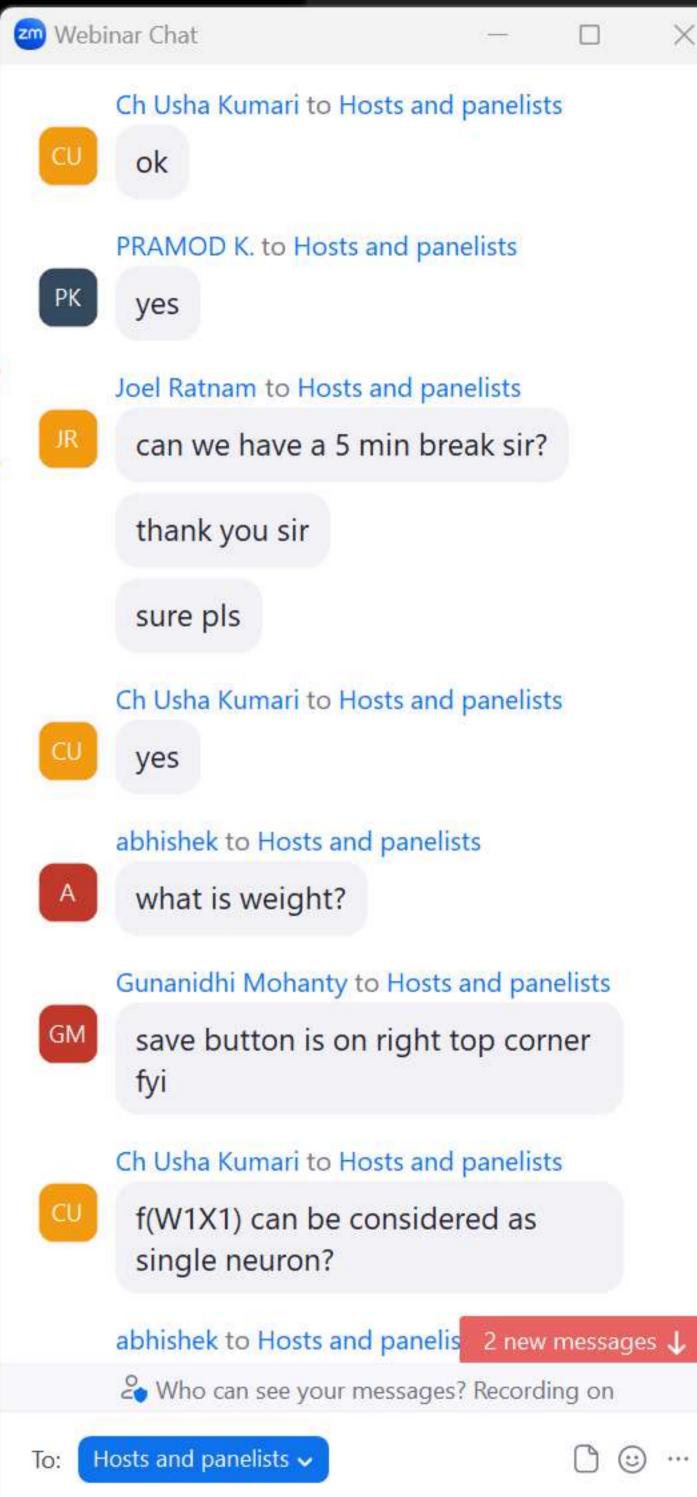
  [1005ely" Inspired from biology
  - Due to work in Neuroscience, a vagne understate
    Office verking of brain Les Jeanschepetaped

BSO/OBICH Newron Up Artificial Newr

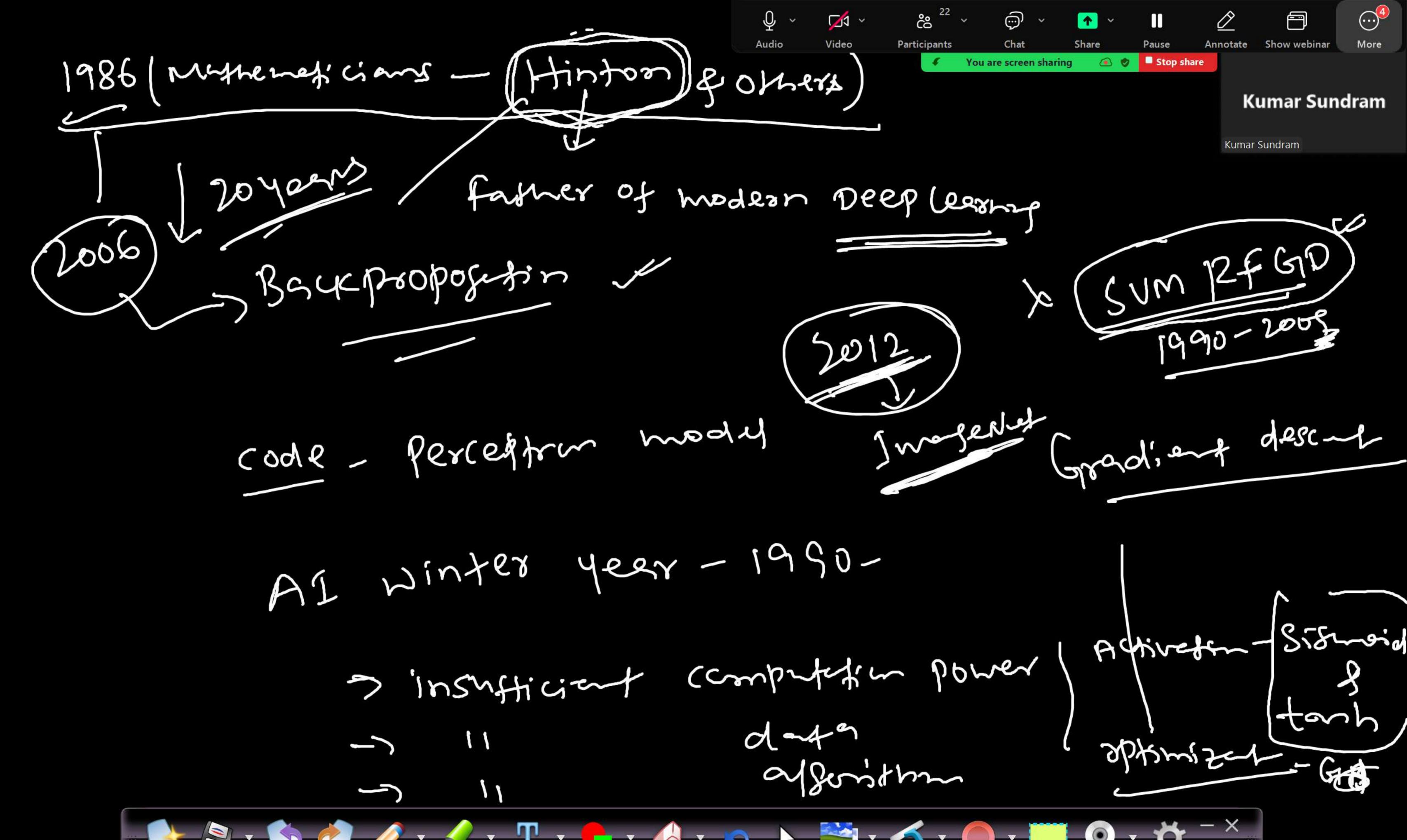
perception -> Single Neuron

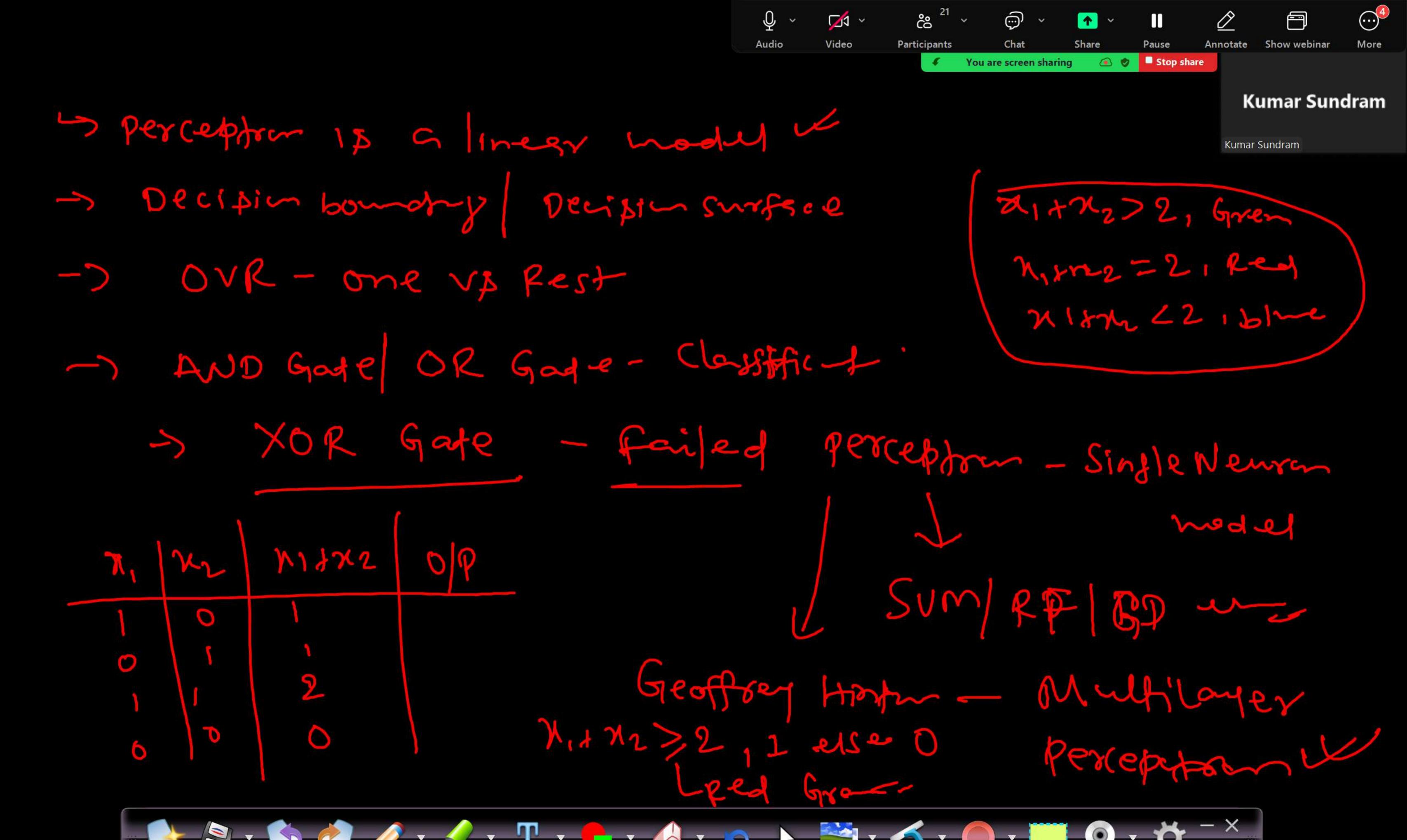
St Al wir





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Talking: Kumar Sundram

### B300550 Neurns

1350 085

Nucley

Cell 10001-8

52 m 59x m

Jermsy

WC3551 Family me

Simplified view of Newson.

## DNNMLP

- 一 命名《全部》
- -> MIP
- Backpropoguh
- -> menojzatin
- Thein Rule calculy
- -> Regularizeta
- ->> Proport
- Batch Normalitan

Johnson (2)

-> Weight aalcut

TOBYCHIV Fund

-) optsmæter metner

Early Stopping

J Hyperpenns

Jeach Part - Case

(FReg + closs+ Stroly)