

Name: 118hver S Subject: D1 

School:

No.	Date	Title	Marks	Signature
4	24/7/25	Exploring the DI.	Q <sub>1</sub>	Attorna
2	31/7/25	Implement a day year		
		using open source detail		
3	7/8/25	Study The Carrifice	7	11 11 12
		with respect to	2	7,000
		statistical parameters.		
4	14/8/25	Build a simple bad	0	
		toward augus brown		14.
*		to Racgnize Herberritter Chasalo		C/22/8/
5	22/8/25	Study of Activation		
		furtions & Their pole.		

14/8/25

4: Build a simple food forward wourd

characters (MASU Deport)

Aima:

To design simplement a simple dood torward nouse retweek to classify hardwritten digit from the HATTE debaset.

objective:

grishow & arestodistra at brothador of to

The MART Charact.

tuing accepting as the principly making of the basic digit recognition whing door learning

oblanation: 42F land 2002 &

+ Patrolat viod: MEENT Hoderitten Digit

Disched (60.000 Koining inago), 10000

touting inago! Graning only 2000)

+ Mad Angelocture:

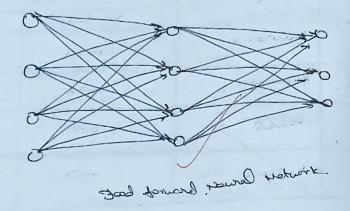
2 Input Soyer: 784 surang ( flottered 201+26 inage

of white Dayer (3) one or more done done

furtion solv.

activation frotte 2 afteren

Iron though and the same



+ Lace Puntion: Catogorical crothentopy

, aptimized: Adam

+ Evaluation Metric: According.

pseudo cada:

BECYIN

get : Load the MIST delege

St2: proprocets data

gra of world sort son sortamons

a protes and exter has retard to

en 487 size to passo @1

I cannot salles to eachot amaling townant.

263. Define the locuser both set 2 5 2

+ Engel layer: 784 howard

of 4 dden layer : 128 records : Rolls

activation finction

nom type , evaluar of : rank higher

arpspa fricken

It's configure browing parameters.

Thous fuction: Cotogorical crossentinopy

- septimizer: Adem

3 Evaluation Hotic & Accepting

It's: Train the name natural

+ use boining data pot

I Blanck for N apale with a dired botch like.

It 6: Evaluate the model wines the

& calculate occuracy on viscen date.

24099 1000

It is Display the explation results.

CM3

MNIIT dataset:

10 cloud (069)

784 Jactures (2823)

Operation from the code:

Epach 120 Loss: 0.9036 - Train According: 87-667.

Epah 2/20 - Las: 0.4213 - Train Accuracy: 89.787.

Epoch 3/20 -1011: 0.3522 - Train Accessory: 90.7727.

Epoch 20120-1055: 0-1210 - Train Accedacy: 98.084.

Tost Accuracy: god + 97.17. precision: equado 9722 Rocall: 0,9+21 Fi. Score: 0.9106 6.9721 Gragh: Training According Prairies loss over epochs 6.96-6.94 -0.92-6.90 6.3 epoch EROLL implemented the Succery Day does forward bound book

Roult:

0.5.

0.4 -

0.2 " 0.1-

to Recognize The badwitten de characters.

