Page No. Date	
Machine Lea	
1 PTM C	
LSTM Session Varishing & Exploding gradient.	
varianty & raprottery of execution.	
furction < 1 ⇒ Sanishing > 1 ⇒ Suploding	
# LSTM -> 8 weight nutrices.	
Improved water version of RNN which is able to report the problems the of the washing and explaining grange of RNNs.	lues adient
· Output - Memory	
El femetion	
· Forget Gote: Her Hidden + Input	J
Sigmoid	
Octant light: dans = (X)	
Olotput yodi: tank -> (x)	
tul Dauh	
forget & Smitput	
to 1	
Input.	

18TM in Simple:

Bosically, while going through the serguence it

Bosically, while going through the serguence it

uses it complex function & clecicles weekther or

not to keep a token in its memory. # 18TM in Sumple: ➤ Doing this it can build contact for the sentence & give better output. Sequence * Bidirictional LSTM: Is able to beeild cotact on the sequence by going start to end & und to start. # Drop out : In a layer as per specified percentage
it cleactivates lhe some percentage

of the modes

of prevents oner fitting * Spoels: Oterations Abrough the NN (neural notwork),

cend emproues ets rereights on every spoch. Batchseze: Scales down the bot enpert size.

• Dere le this it does not remains light
on the processing vicila part

Jemplified LSTM: GRU.

· Instead of 4 signicial functions, it only has 3 signisial functions

OVA-RIZZ

Challenges to to outperform NV101A's chips.

beef streeggling in the market because of dominary

of NV101A.

2) Data Provinence Explorer: Researches work on improving model's occuracy to by morking on the data fitting