## RECURRENT NEURAL NETWORKS

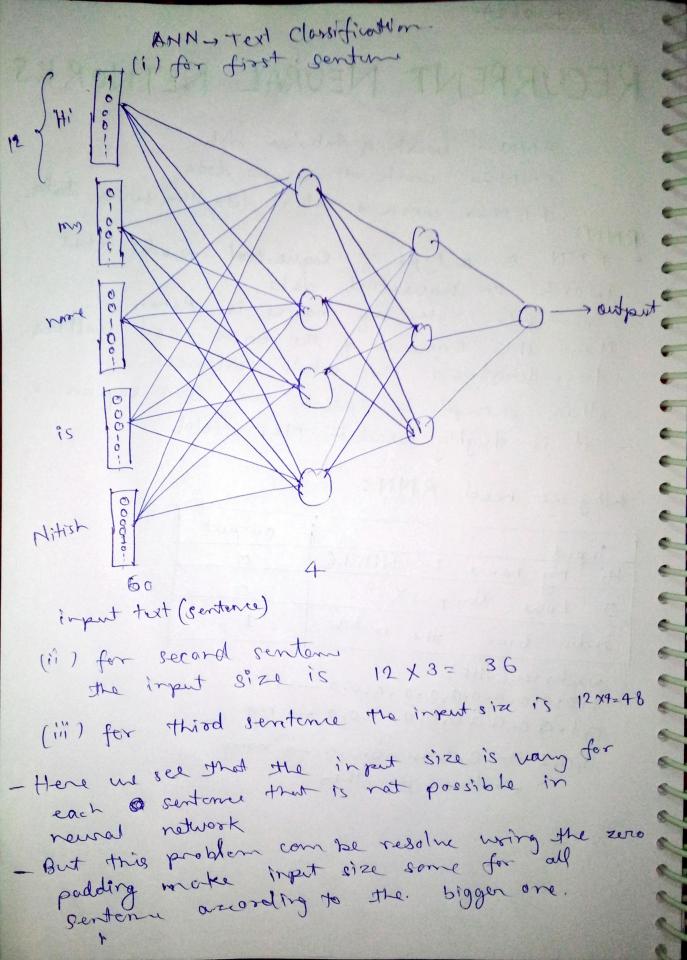
ANN - work of tabular data. CNN - work on images data RNN - work on text data/time series data.

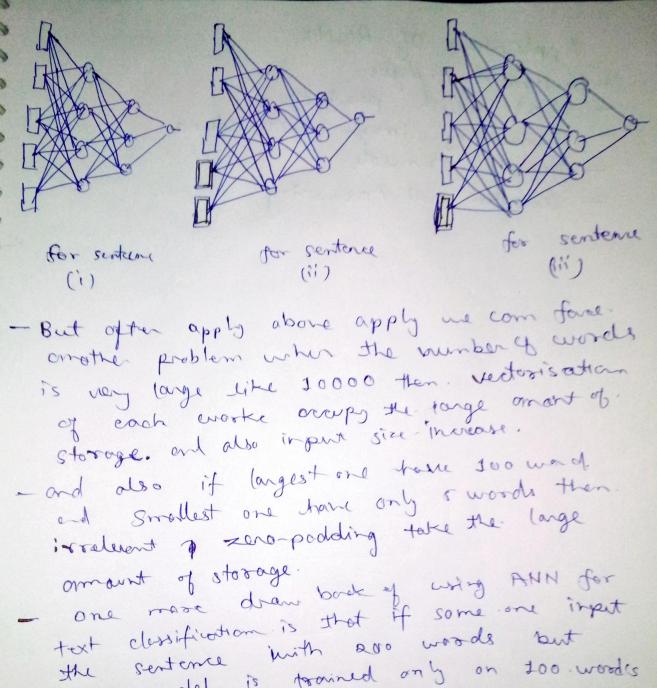
RMN is a type of signeratial model that work on sequential data. example. It i my name is Rohan Here the signence of the each word wathers to inderstand the whole sentence other example is speech and DNA sequences it is shighly used in NLP field.

Why we read RMN:

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Hi my name is Nitish&	0
I Love. Compus X	0
11. reatch	1
India war the	Paragraph 1999

verterize (DHE) 1,0,0,0,0,0,0,0,0,0,0,0,0,0  $0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0 \rightarrow name$ similarly for other.





the sentence with 200 woods but out model is praired only on 200 woods sentence.

in summary (ANN is sequencial data) drawbode: - text input - vorying size - zero padding > unnecessary computation - Prediction problem - totally disregarding the sequence into

Applications of RNH: - Sentiment Analysis
- Next word prediction - Grenerating image caption demo - google tomstate - Question and Assuring

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