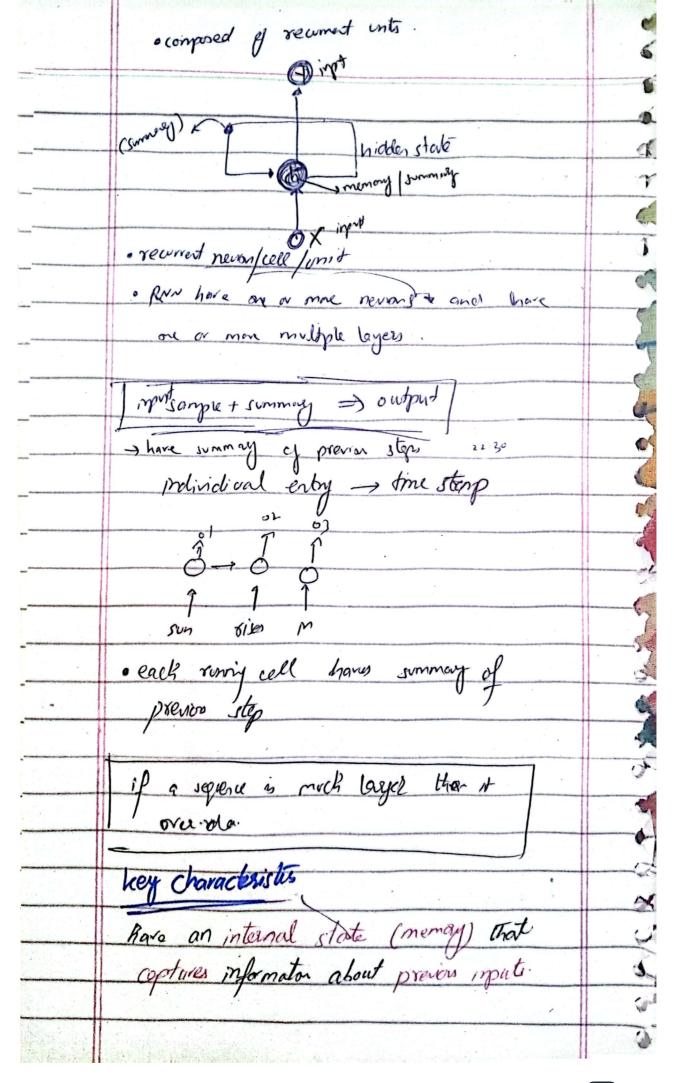
	And the second s
Lecture 3d: PMN	
(Recurrent Neural Oletwork)	And the second s
	and the second s
Time-Series Data (over a period of Time)
example - "stack market rates	
gu (based) /2 (b) 3-1-1-	and the contract of the contra
sii Daily Tenperature	The state of the s
S(11) Nodural Language Lyon sales khare order)	
predicting future valued based on part-time	
ordezeal daila".	
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T/m	The state of the s
in in in in the second	
thow it is different	
→ Time is important factor	
AI Doiven demand	
forecasting	And a second sec
· Time Series / Segrential Data	The second secon
weather prediction (predict Terpenture)	
process (process)	The county of county of collection of collec

Time Step (individual entry in sime sees) dots A time step a a single point in a sequence of data, representing monor in some. · Time series analysis (on based of past docta) · Time series predictor for futire predictive analytics Can feed forward Nevral Network predict future values by historical data. Ocen't handle sequential @ Consider only whent 6) cont memorize the · in joiens model model was indepent of previou imputs · ret home memory do need of some solution => A different naval network Kewwest Newal Networks (RNN) class of neuval networks designed to recognize patterns in sequence of dada, such as time series or natural longuage.



de then use down layers at the head. (es classificato, generato regens what makes RNN Specal ? @ internal memory (con remobbee past input a use the context which processing new information) 1 Soquestial Data Processing excel with segretial data. variable size input support @ Contextual understanding (analyze current inputs with provious one, offering crocal context) (5) Dynamic Processing (update their money with new doila, adopting to changing putterns in a segrence Applicator Sestiment Analysis Text generation Tion Serie Predictor Speech Generalin Types of RNN Cells (gated recurrent unit) OGRU (different type of received newspirit) lon These are get like input souppy &

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ignore nom	esimplified verson of LSTM cuith fewer gats (reed expects) computationally more efficient while hondly lay learn dependers	
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