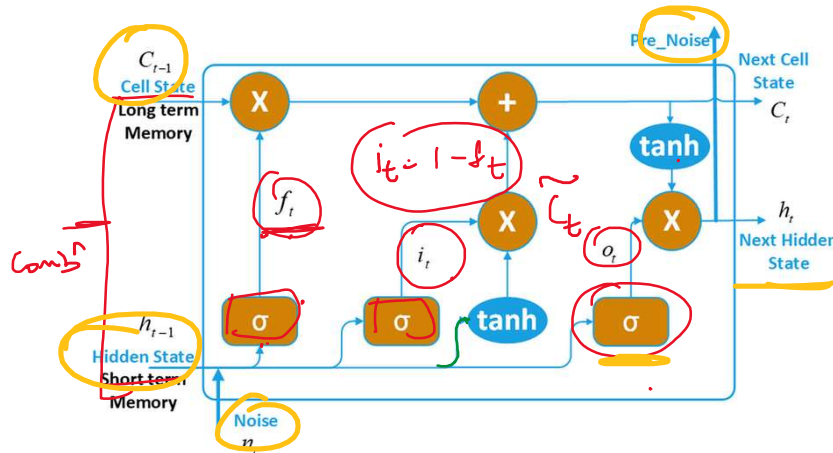


LSTM

10 July 2025 13:39

Long Short Term Memory

Long Term
Short Term



① Forget

② Input

③ Output

$$h_{t-1} = [0.7]$$

$$x_t = [1 \ 0 \ 0 \ 0]$$

$$C_{t-1} = [0.8]$$

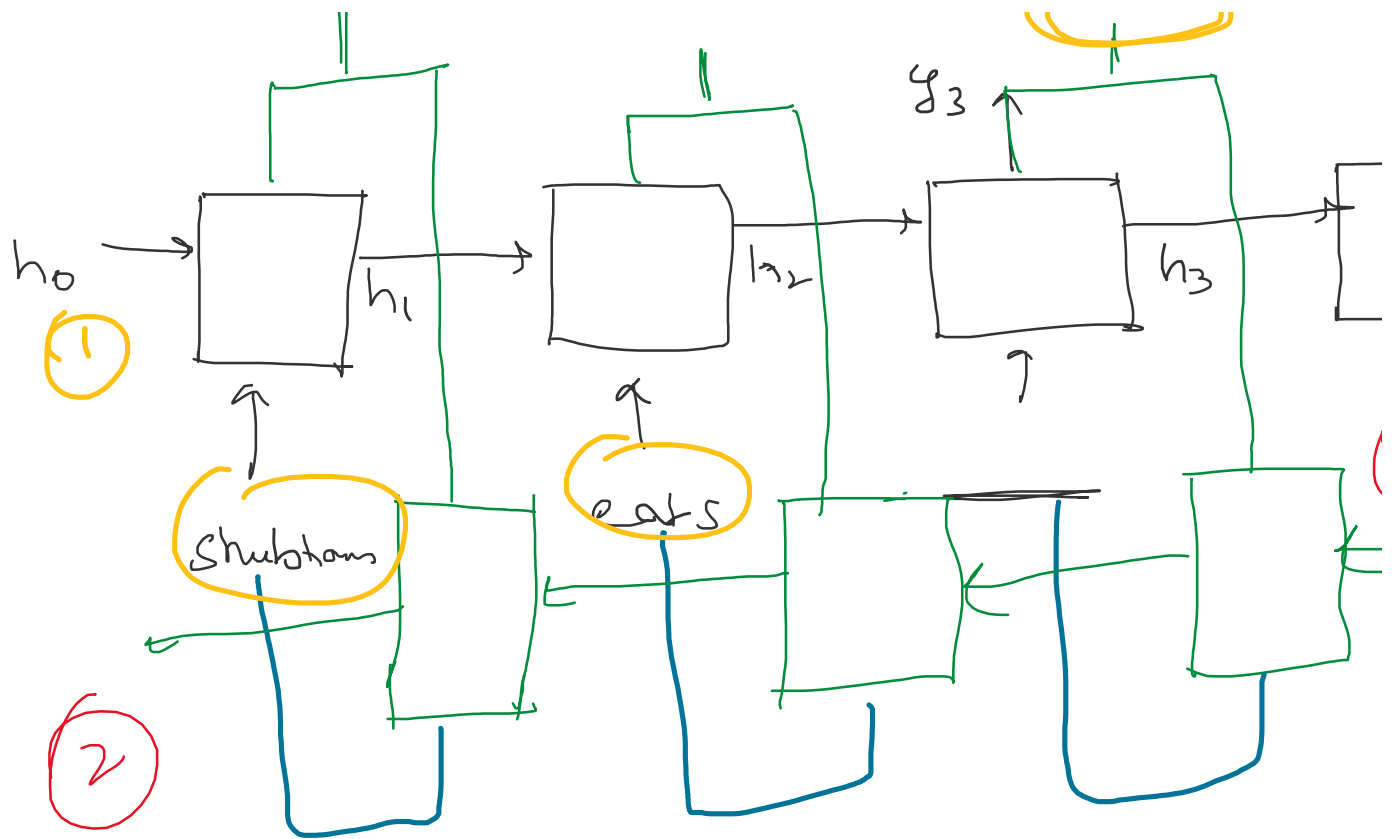
$$C_{t-1} = [0.4]$$

After

Shubham eats Chole bhature in delhi

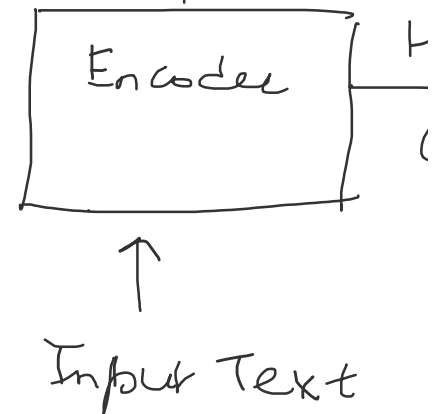
Shubham eats Brijwari pattha in Mathura

Bi-directional LSTM



Encoder-Decoder

Converts input seq
to array of num



- ① Language translation
- ② Text generation
- ③ Chatbots
- ④ Text Summarizer
- ⑤ Text suggestion

Good Night,

Encoder



Seq2Seq

Sequence 2

Sequence



Input Encoder	Ip Decoder
(Good Night)	<SOS>
Good Night	<SOS> Shubh
Good Night	<SOS> She Rahni

Researcher :

Bleu
Score



