

Case Study: Image Captioning

M.Tech. Data Science, Second Year, NMIMS

By,

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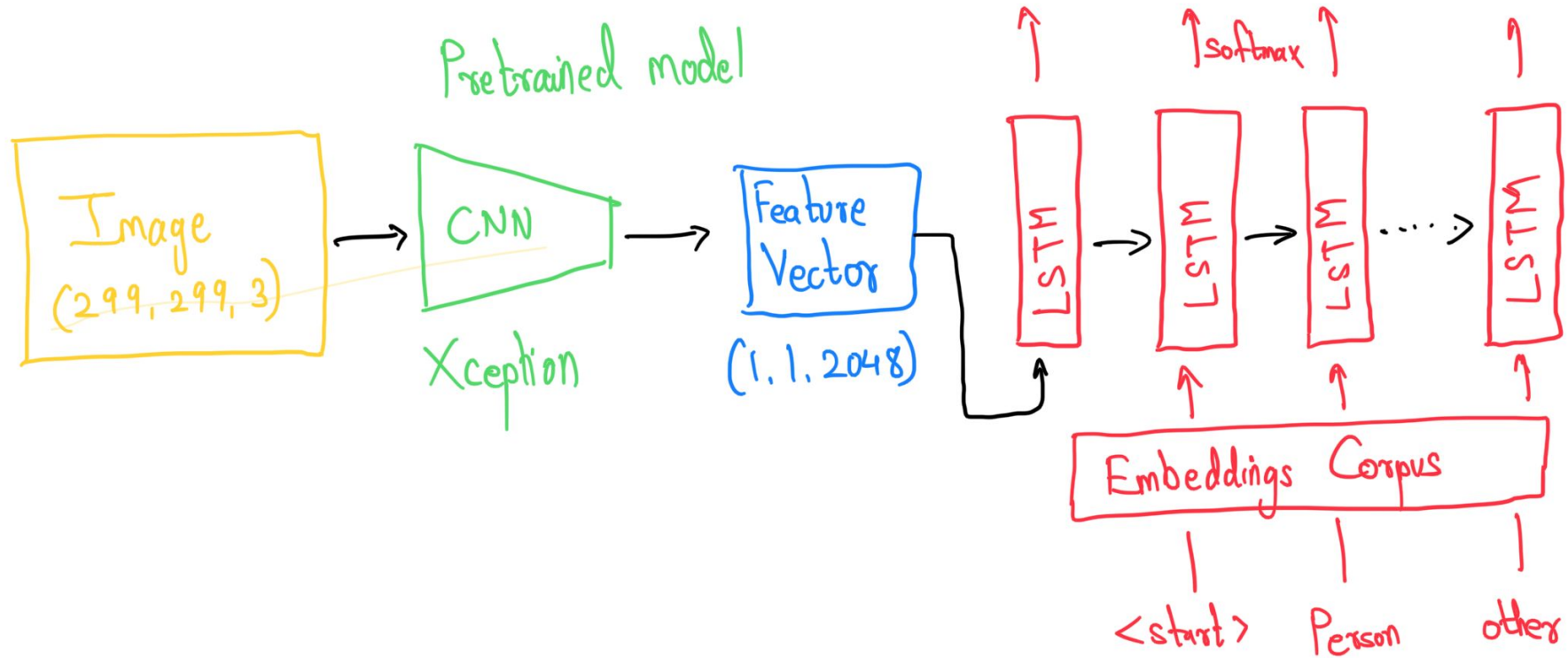
Image Captioning using CNN-RNN-DNN

→ It involves computer vision and natural language processing concepts.

→ To recognize the context of an image and describe them in natural language like English.

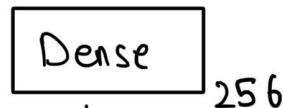
Model \implies CNN LSTM
(pre-trained)
model

Model Architecture



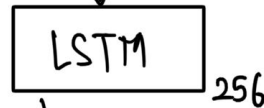
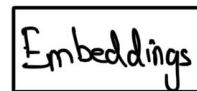
Model design

CNN (features)
(2048)

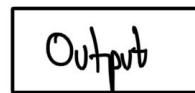
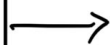
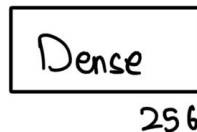


RNN

(longest sentence)



Add



(vocab size)