

# Work done so far.

## LSTM MODEL

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- Preprocessing: Trivial.
- Model structure:
  - Input layer.
  - Word embedding.
  - LSTM layer.
  - Pooling layer.
  - Dropout.
  - Fully connected layer.
  - Output layer.

Layer (type)	Output Shape	Param #
input_2 (InputLayer)	[(None, 200)]	0
embedding_1 (Embedding)	(None, 200, 128)	2816000
lstm_layer (LSTM)	(None, 200, 60)	45360
global_max_pooling1d_1 (Glob	(None, 60)	0
dropout_2 (Dropout)	(None, 60)	0
dense_2 (Dense)	(None, 50)	3050
dropout_3 (Dropout)	(None, 50)	0
dense_3 (Dense)	(None, 6)	306
Total params: 2,864,716		
Trainable params: 2,864,716		
Non-trainable params: 0		

- Accuracies:
  - Training: ~ 98.5 %
  - Testing: ~ 99 %