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| --- | --- | --- | --- | --- |
| Model no. | Description | parameters | Train \_accuracy | remarks |
| 1 | Base model with batchsize 40, no. of epochs=15 | 1117061 | 97% | overfitting |
| 2 | Adding dropout layers | 3,638,981 | 89% | overfitting |
| 3 | Reducing the filter size=(2,2,2) | 1762613 | 70% | good |
| 4 | Increasing the parameters | 2556533 | 75% | Decreased val accuracy |
| 5 | Adding dropout at conv layer | 2556533 | 84% | Decreased validation accuracy tending to overfit |
| 6 | Reducing number of parameters | 696645 | 84% | Getting better |
| 7 | Reducing number of parameter again | 504709 | 77% | better |
| 8 | CNN-LSTM model | 645567 | 89% | Improved val accuracy  BEST MODEL |

THE SUMMARY OF THE MODELS