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| --- | --- | --- | --- |
| **Experiment Number** | **Model** | **Result** | **Decision + Explanation** |
| **1 & 2** | **Conv3D** | **Accuracy:0.29** | **Over fitting the data,without using filters,batch normalizations** |
| **3** | **Conv3D** | **Accuracy:0.39** | **Kernel size value error and adjusted kernel size and add more layers** |
| **4** | **Conv3D** | **Accuracy: 0.17** | **Changing parameters and increase the layers** |
| **5 & 6** | **Conv3D** | **Accuracy :0.46** | **Changing parametersand applied batch normalization & flatten** |
| **7 & 8** | **Conv3D** | **Accuracy : 0.39** | **Changing parameters and added dropouts to the model** |
| **9** | **Conv3D** | **Accuracy: 0.32** | **Changing parameters and added dropouts and reduce the layers** |
| **10** | **Conv3D** | **Accuracy : 0.47** | **Try Conv3D and GlobalAveragePooling3D not giving desired accuracy** |
| **11** | **TimeDistributed Conv2D + GRU** | **Accuracy : 0.35** | **Try TimeDistributed Conv2D + GRU not giving desired accuracy** |
| **12** | **TimeDistributed Conv2D + GRU** | **Accuracy: 0.69** | **Try TimeDistributed Conv2D + GRU not giving desired accuracy** |
| **13** | **TimeDistributed Conv2D + Dense** | **Accuracy:0.46** | **Try TimeDistributed Conv2D + Dense not giving desired accuracy** |
| **14** | **TimeDistributed + ConvLSTM2D** | **Accuracy:0.57** | **Tried TimeDistributed + ConvLSTM2D** |
| **Final Model** | **ConvLSTM2D** | **Accurancy:0.84** | **Batchnormalization,Global average pooling, ConvLSTM2D used to get Accurancy** |