**Gesture recognition by Abhishek kumar**

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| **EXPERIMENT** | **MODEL** | ACCURACY | **RESULT DESCISION** | |
| **1** | **Conv3D** | **TRAIN-.15**  **VAL-.15** | **MODEL IS NOT LEARNING ANYTHING** | **BATCH SIZE REDUCE FROM 128 TO 32** |
| **2** | **Conv3D** | **TRAIN-.15**  **VAL-.20** | **NO IMPROVEMENT IN MODEL** | **ADDING MORE LAYER** |
| **3** | **Conv3D** | **TRAIN-20**  **VAL-.20** | **NO IMPROVEMENT IN MODEL** | **ADDING BATCH NORMALIZATION LAYER AFTER EVERY NEW LAYER** |
| **4** | **Conv3D** | **TRAIN-..8702**  **VAL-.2708** | **MODEL OVERFIT DUE TO LESS DATA,**  **(ABLATION )** | **TRAIN ON FULL DATA,ALBATION =NONE,EPOCH =50** |
| **5** | **Conv3D** | **TRAIN -.9702**  **VAL-.357** | **MODEL STILL OVERFIT** | **ADDING DROPOUT =0.5** |
| **6** | **Conv3D** | **TRAIN-.6677**  **VAL-.500** | **MODEL IMPROVES BUT STILL OVERFIT** | **DECREASING DROPOUT TO 0.2** |
| **7** | **Conv3D** | **TRAIN-.8799**  **VAl-.5799** | **MODEL IMPROVES FURTHER** | **ADDING GLOBAL AVERAGE POOLING INSTEAD OF FLATTEN LATER** |
| **8** | **Conv3D** | **TRAIN-.9109**  **VAL-.8598** | **MODEL IS GOOD** | **TRY ACHITECTURE ALSO** |
| **9** | **TIME DISTRIBUTED +GRU** | **TRAIN-.9554**  **VAL-.8203** | **MODEL WORK QUITE WELL WITH LESS TRAINABLE PARAMETER(98485)** | **ADDIND SOME DROPOUT LAYER,DENSE LAYER NETWORK** |
| **10** | **TIME DISTRIBUTED +DENSE** | **TRAIN-.8787**  **VAL-.8750** | **GOOD MODEL WITH PARAMETER(129447)** | **LETS TAKE TIME DISTRIBUTED + convLSTM** |
| **(11,(BEST MODEL)** | **TIME DISTRIBUTED+LSTM** | **TRAIN-.9673**  **VAL-.9375** | **This is best model so far with trainable parameter 13,589** |  |
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