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| **Experiment Number** | **Model** | **Result** | **Decision + Explanation** |
| **1** | **CNN+RNN** | **Out of memory error** | **Set batch size as 30** |
| **2** | **CNN+RNN** | **Model not trainable as a lot of parameters** | **Reduce the size of the image and no. of layers** |
| **3** | **CNN+RNN** | **Train Accuracy:0.98**  **Val acc:0.62** | **Model is overfitting, add dropout.** |
| **4** | **CNN+RNN** | **Train Accuracy:0.87**  **Val acc:0.67** | **Model is not giving desired validation accuracy, try Conv3D model** |
| **5** | **Conv3D** | **Train Accuracy:0.41**  **Val acc:0.36** | **Model not giving good accuracy, so fine tune the parameters in SGD optimizer.** |
| **6** | **Conv3D** | **Train Accuracy:0.47**  **Val acc:0.50** | **Delete dropout between initial convolutional layers** |
| **7** | **Conv3D** | **Train Accuracy:0.67**  **Val acc:0.72** | **Use ‘elu’ activation function instead of ‘relu’ function.** |
| **8** | **Conv3D** | **Train Accuracy:0.77**  **Val acc:0.75** | **Reduce cropping** |
| **9** | **Conv3D** | **Train Accuracy:0.85**  **Val acc:0.78** | **Add 4 more layers** |
| **10** | **Conv3D** | **Train Accuracy:0.95**  **Val acc:0.77** | **Model is overfitting on train data, so decrease no. of layers by 2.** |
| **Final Model** | **Conv3D** | **Train Accuracy:0.80**  **Val acc:0.81** | **Model is performing considerably good on train as well as validation data** |