

Summary of Experiments Done

Model Type	Experiment#	HyperParameter	No. Of Trainable Parameters	Result	Decision + Explanation
Conv3D	Experimenting with Batch Size and Number of epochs				
	1	BatchSize=600 #Epochs=30 #frames=30 #img(160,160)		Throws OOM Error during Batch2 of 1 st Epoch	Reduce the batch size and reduce no. of neurons in dense layer
	2	BatchSize=10 #Epoch=30 ReduceLRFactor=0.3 Patience=5 Min_lr=9.0000e-05 Optimizer = Adam	1699461	- Training Accuracy:0.95 - Validation Accuracy:0.64 - Training Loss: 0.192 - Validation loss: 1.2846	Overfit Data.
	Adding more convolutional layers				
Conv2D +GRU	8	BatchSize=10 #frames=30 #Epochs=30 #img(160,160)	59613765	- Training Accuracy:0.825 9 - Validation Accuracy:0.65 - Training Loss: 0.4646 - Validation loss: 1.4220	Best model in terms of accuracy, val_loss and no. of parameters