This is a write-up for Gesture recognition project.

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| **Experiment Number** | **Model** | **Result** | **Decision + Explanation** |
| **1** | **Conv3D (model\_1 with batch size 32 and epoch 10)** | **Accuracy: 0.75** | **Model throws error for higher batch 64. So moving to new generator** |
| **2** | **Conv3D (model\_2 with batch size 32 and epoch 6)** | **Accuracy: 0.37** | **Model has too many trainable parameters.**  **Model 2 with batch size 20 and epoch 10 gave accuracy of 0.17. So dropping this model.** |
| **3** | **Conv3D (model\_3 with batch size 10 and epoch 10)** | **Accuracy: 0.20** | **Image size is cropped to (60,60) and we need to increase batch size to check accuracy.** |
| **4** | **Conv3D (model\_3 with batch size 20 and epoch 10)** | **Accuracy: 0.46** | **Marginal increase in accuracy.** |
| **Final model** | **Conv3D (model\_3 with batch size 40 and epoch 20)** | **Accuracy: 0.85** | **The model\_3 gave good accuracy at epoch 14 with optimizer Adam delta.** |
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