TOURNAMENT ARC

1. For the tournament arc, in the first phase, I used a variety of PyTorch transforms to get the Augmented Image Data in the tournament. The I used a pretrained ResNet 101 from pytorch, added a Fully Connected (2048,61) layer in the end, froze the previous params of the model and then trained and tested the Data. This gave a best scenario score of 0.486.
2. Next, we went to the fastai library and used it's highly efficient Transfer learning capabilities by performing similar transformations like horizontal and vertical flipping and affine transformations to get a Augmented Image Dataset. Then we used a pretrained ResNet50 and trained it on our data, based on accuracy as the judge metric. The model was trained for 20 epochs and then judged on the test data, giving a F-score of 0.603 on the given test data.