

MLOPS_Assignment_6

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1. Download Tiny ImageNet (<https://github.com/rmccorm4/Tiny-Imagenet-200>). Use any Resnet models (pretrained). Integrate W&B to log training metrics, hyperparameters, and model artifacts. Visualize accuracy and loss curves in your W&B dashboard

← ● resnet34_finetune_balanced_augmented

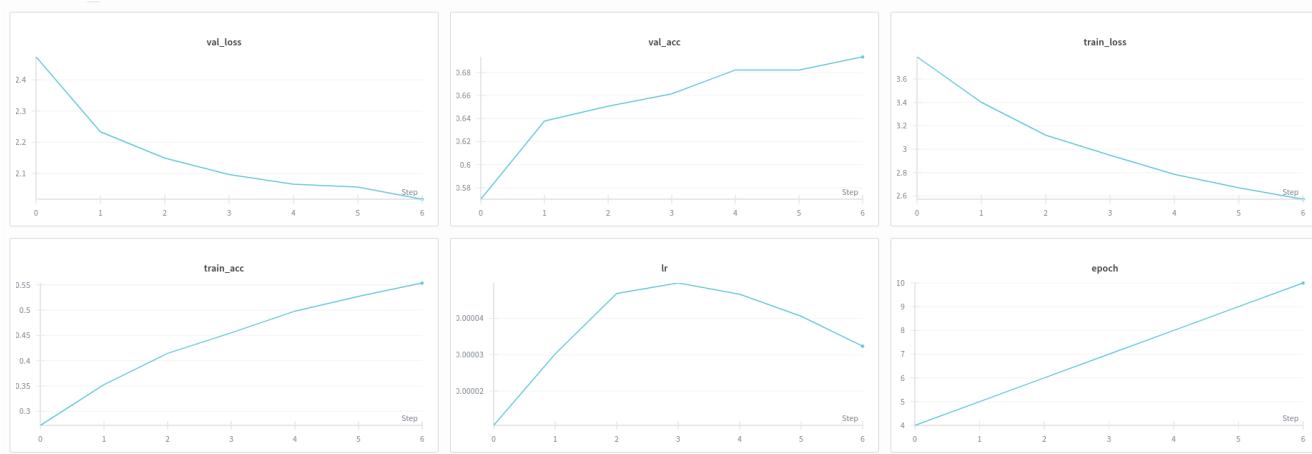
Charts Overview Logs Files

Search panels with regex

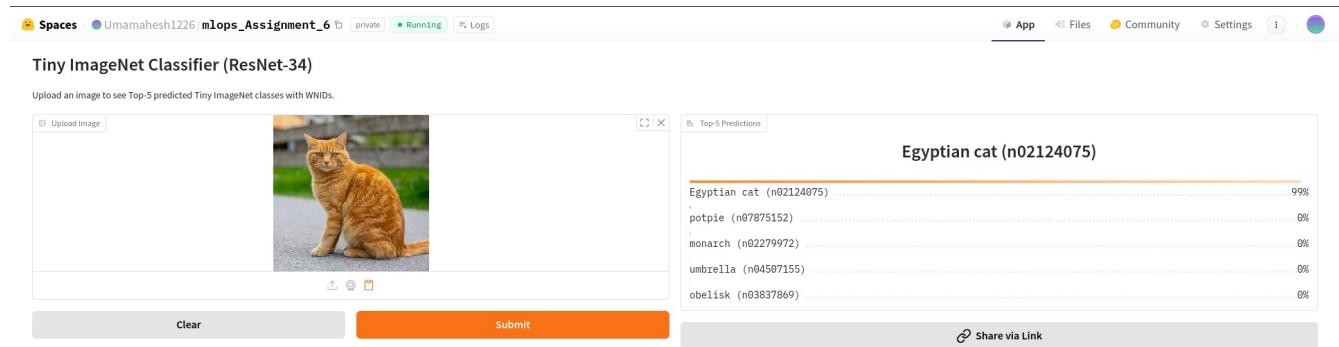
Media 1

training_config

```
model: resnet34-pretrained
dataset: tiny-imagenet-200 (balanced subset, strong aug)
train_samples: 20000
val_samples: 1400
batch_size: 64
n per class train: 100
```



2. Deploy the model on Hugging Face as taught in the class



3. Simulate data drift by changing brightness or adding noise to Tiny ImageNet images.

Log drifted accuracy and generate a W&B alert when accuracy drops significantly.

Compare baseline vs drifted runs in W&B and create a report with screenshots.

