

## Hands-on Project - Training ML Models on Remote Server

**Project Goal:** Train image classifier on remote GPU server

### 1 SSH & Setup

SSH into server and setup environment  
(conda/docker)

### 2 Transfer Dataset

Use scp or download directly on server

### 3 Write Training Script

PyTorch/TensorFlow with proper logging

### 4 Run in tmux

Persistent session even if disconnected

### 5 Monitor Training

nvidia-smi and TensorBoard (port forwarding)

### 6 Download & Evaluate

Download trained model and evaluate locally

### Project Deliverables



Working Model



Training Logs



Results Presentation