Chest Disease classification from CT scan Image

1. project Introduction
2. project Template
3. project setup, Requirements Instadlation
4. Logging, Exception, Utility
5. project workflow
6. All component Notebook Experiment
   - Data Ingestion
   - prepare base model → VGG 16
   - Model Trainer
   - model Evalution
7. All component modular code Implementation
8. Training pipeline
9. prediction pipeline
10. MLflow (MLOps Tool) → Experiment Tracking and model Registration
11. DVC - Data version controll (MLOps) → pipeline Tracking
12. User App
13. Docker
14. CICD Deployment using → Jenkins

prerequisite:

1. Python OOPs concept
2. Deep Learning – Object classification → Tensorflow 2.x
3. AWS Account

MLflow – Experiment Tracking

ML project →

Ex-1 ElasticNet

Alpha → 0.7
L1Ratio → 0.9 → Acc = 76%

Ex-2 "

Alpha → 0.5
L1 → 0.5 → Acc = 80%

Ex-3 "

Alpha → 0.4
L2 → 0.6 → Acc = 54%

10

CSV →

Ex-1
Ex-2
Ex-3
:
10