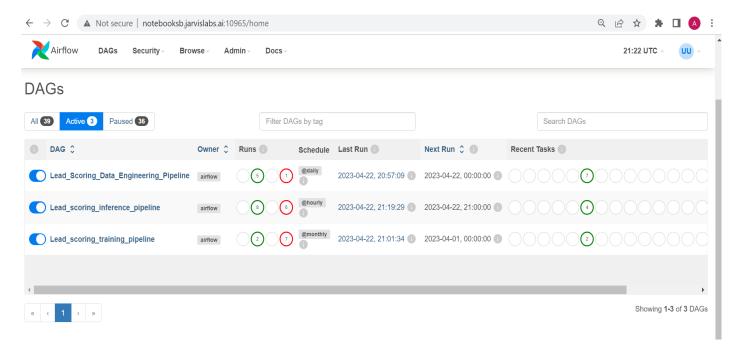
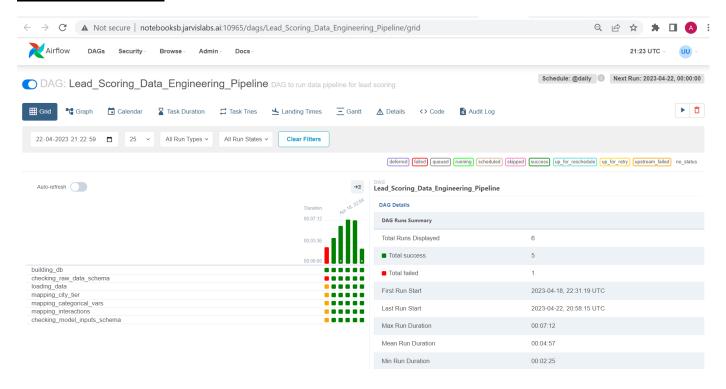
Airflow DAGs Dashboard

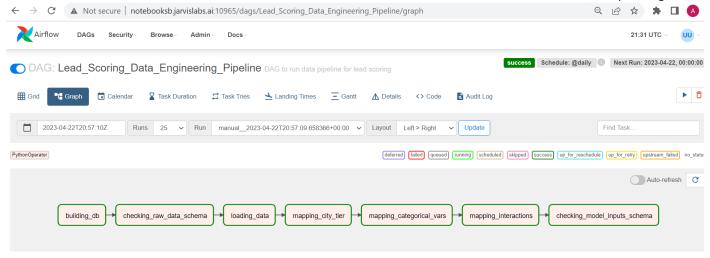
Showing DAGs for the assignment



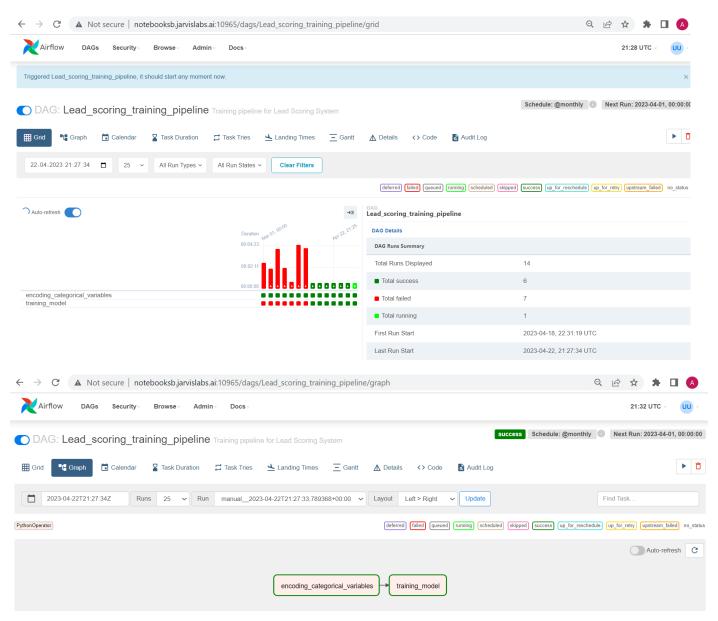
Data Pipeline



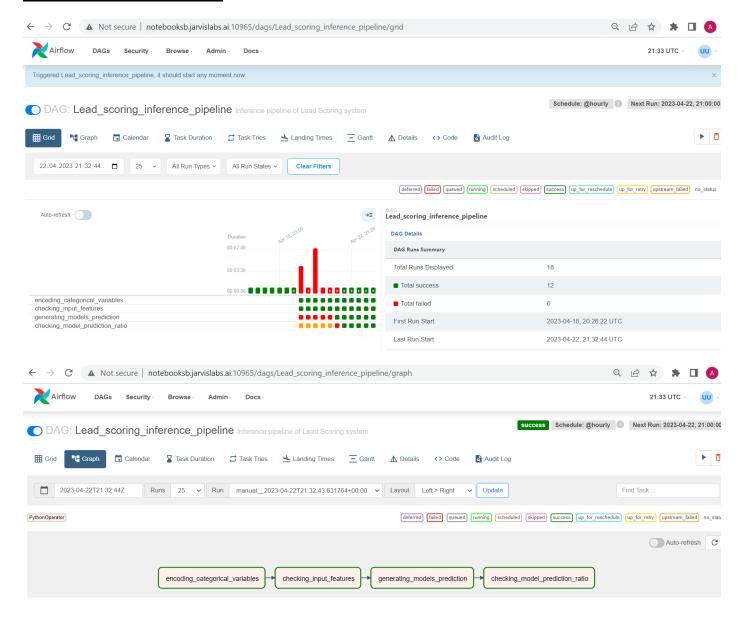




Training pipeline



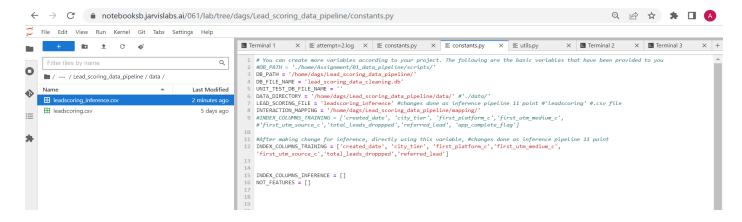
Inference pipeline



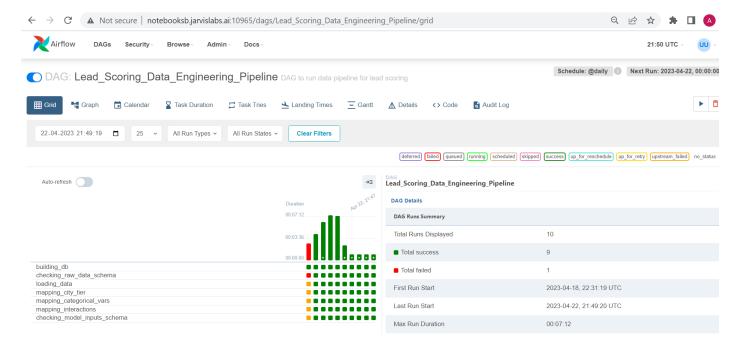
Changes done in Data pipeline for inference file

(As per Automation Workflow of Inference Pipeline, 11th bullet point)

Lead Scoring Data Pipeline -> Constants file

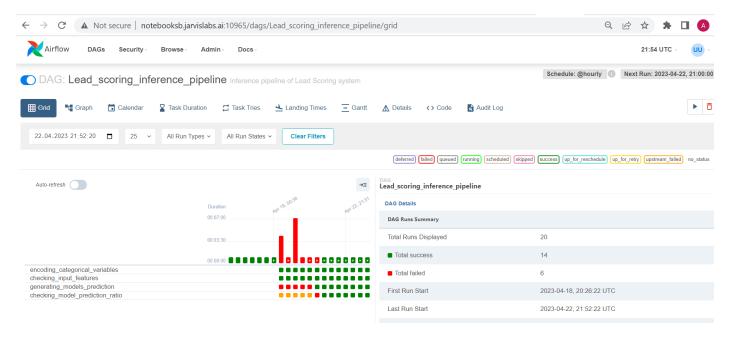


Data Pipeline

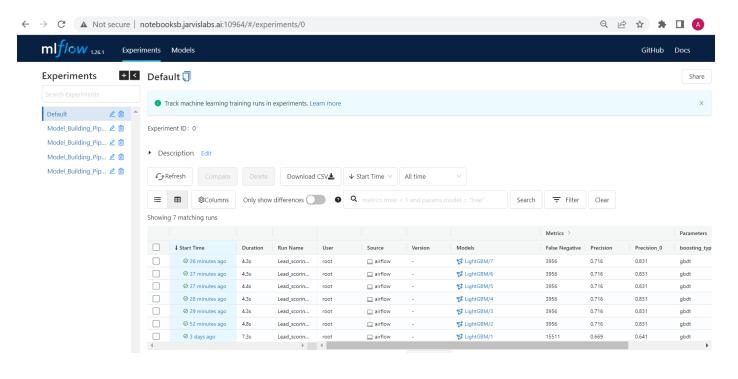


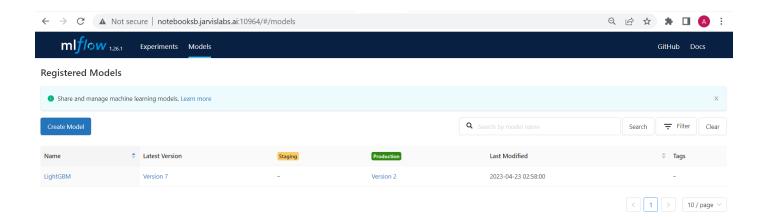
Once this is done first trigger the Data pipeline manually and then trigger the inference pipeline once the data pipeline's run is complete.

Inference pipeline

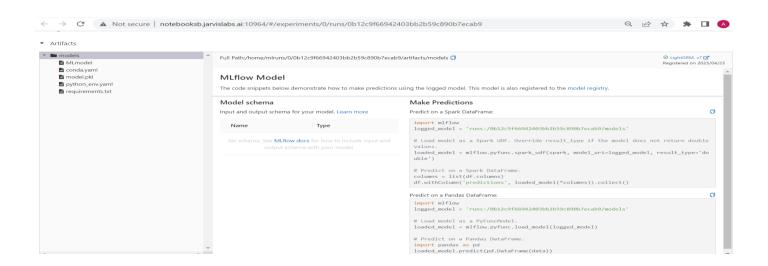


ML Flow server

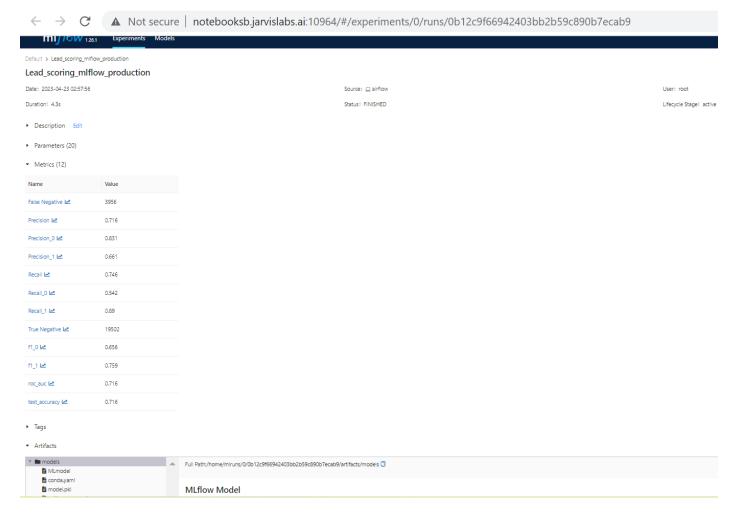




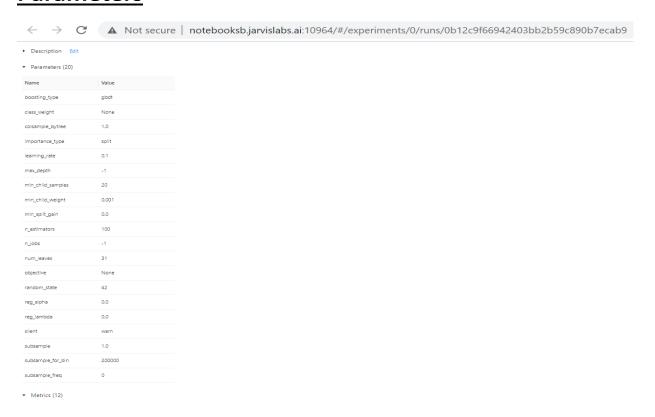
Models



Metrics



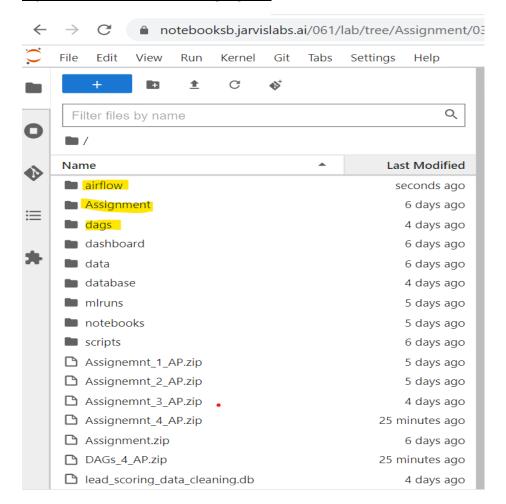
Parameters



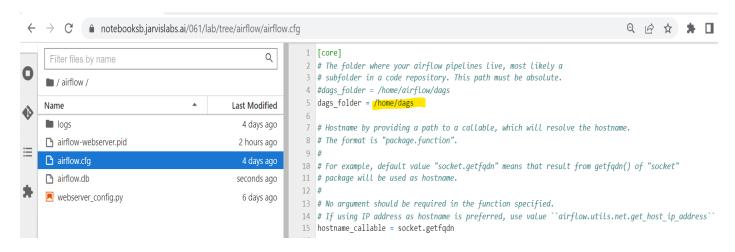
File details:

- Complete assignment code is kept at git repo shared in AssignmentCodeAtGitRepo.txt (https://github.com/akashpd/MLOps_Assignment_PipeLine_MLFlow_and_AirFlow)
- All DAGs which were run are kept in DAGs_4_AP.zip
- inference_test.ipynb file is also kept in unit_test folder which was used to test inference pipeline.

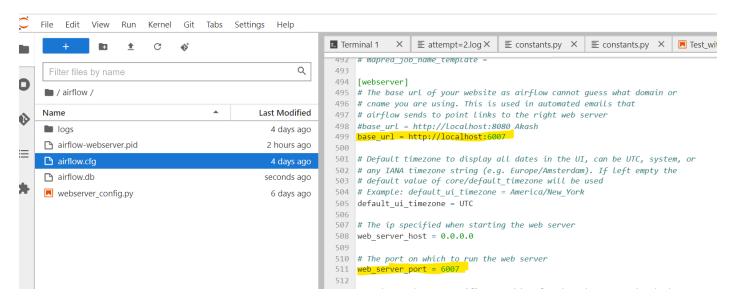
My Jarvis lab folder structure highlighted



My DAGs folder location



<u>Airflow Web server port configuration</u>



After all code is done and working correctly then run below steps in summary to run airflow and DAGs (in order)

> on Terminal 1

airflow db init airflow webserver

on Terminal 2

airflow scheduler

Run DAG Lead_scoring_data_pipeline from Airflow DAGs dashboard

On Terminal 3

cd dags

mlflow server --backend-store-uri='sqlite:///./Lead_scoring_training_pipeline/Lead_scoring_mlflow_production.db' --default-artifact-root="/home/mlruns" --port=6006 --host=0.0.0.0

- Run DAG Lead_scoring_training_pipeline from Airflow DAGs dashboard
- ➤ Register new version Model from mlflow/models
- Run DAG Lead_scoring_inference_pipeline from Airflow DAGs dashboard