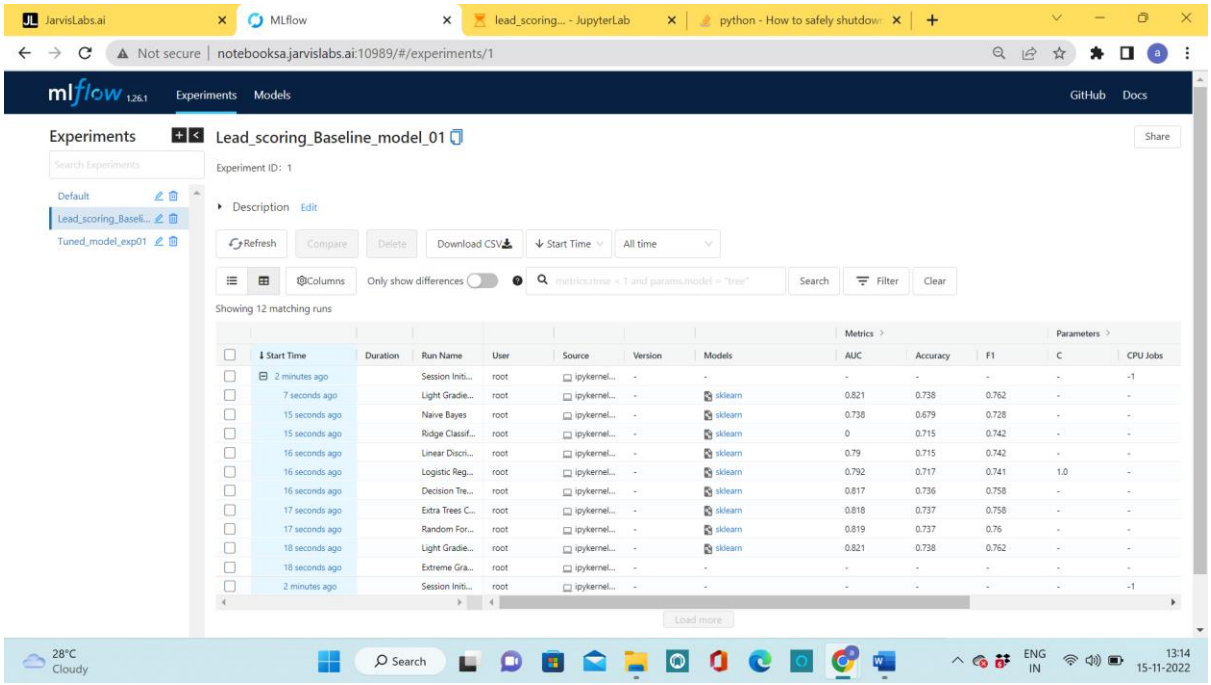
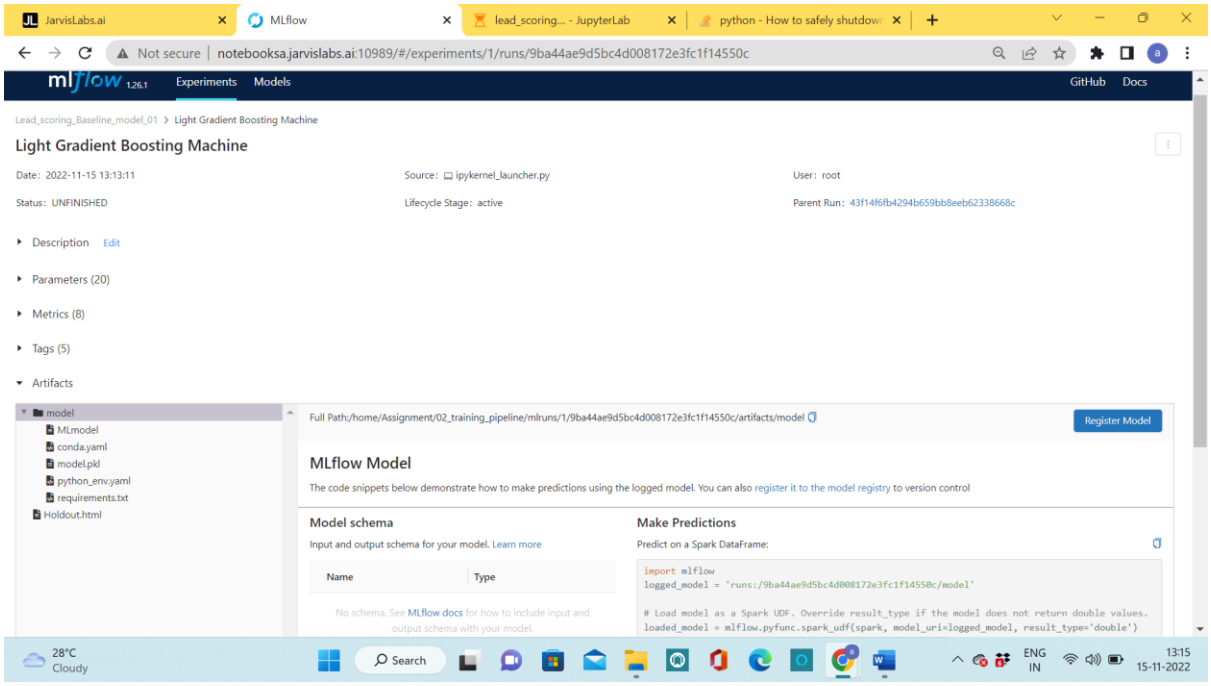
MODEL EXPERIMENTATION:

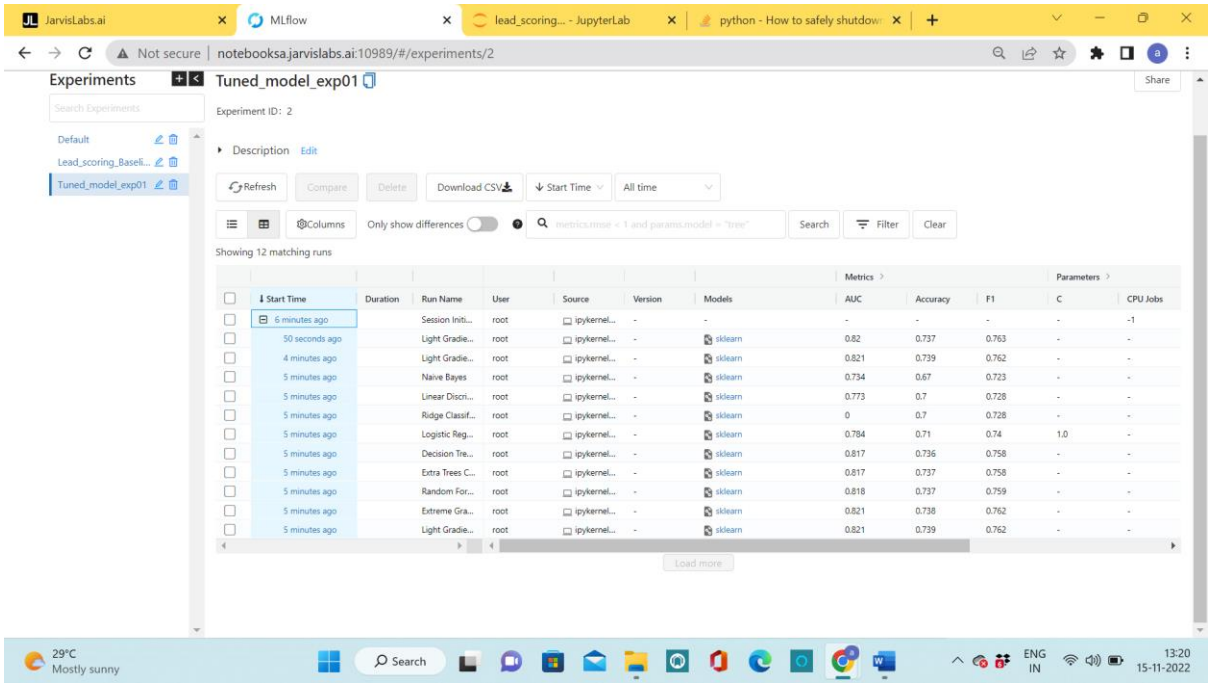
Screenshot of mlflow ui- all experiments



Screenshot of mlflow ui-- screenshot of one experiment with all the artifacts visible

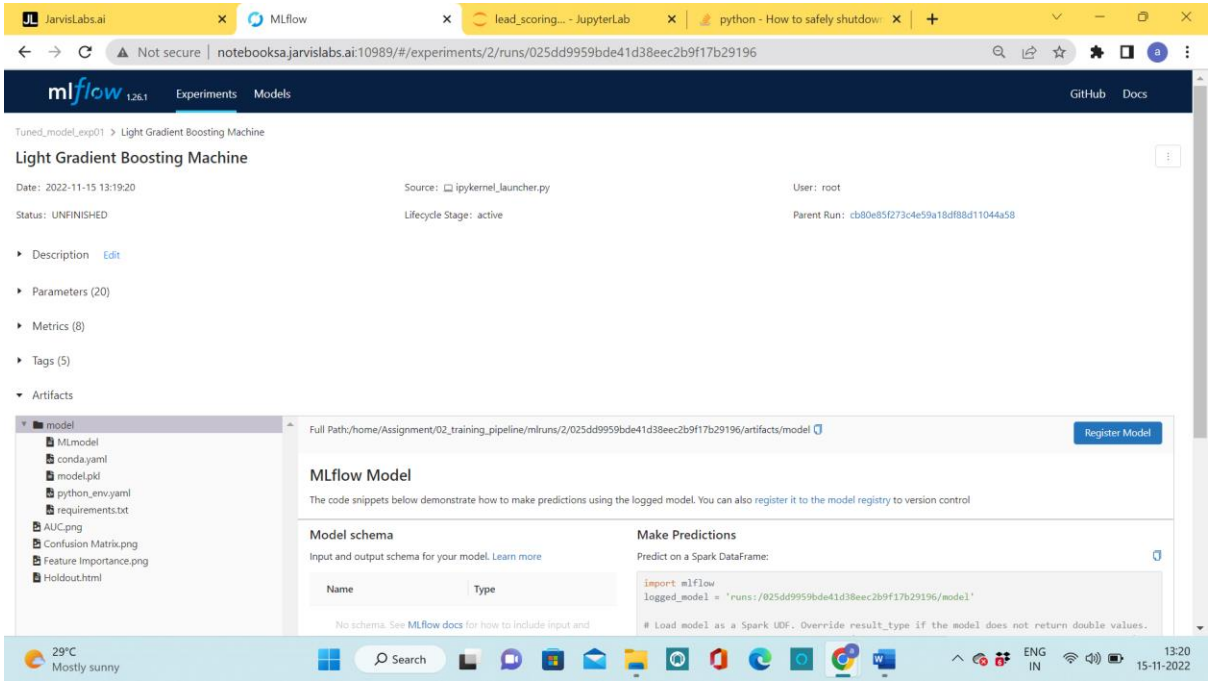


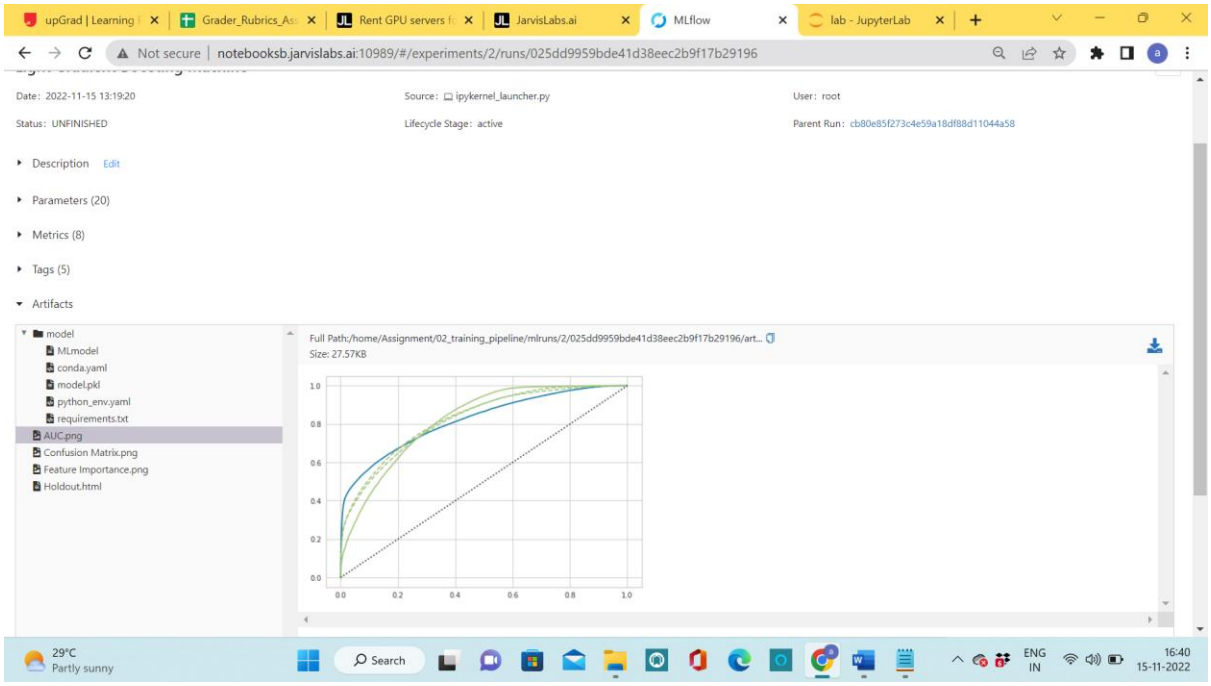
Screenshot of mlflow ui after dropping features—all experiments



Screenshot of mlflow ui after dropping features- one experiment with all artifacts :

(Model, AUC, Confusion Matrix, Feature Importance, Holdout.html)

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Grader_Rubrics_As
Rent GPU servers fo
JarvisLabs.ai
MLflow
lab - JupyterLab
Not secure | notebooksb.jarvislabs.ai:10989/#/experiments/2/runs/025dd9959bde41d38eec2b9f17b29196
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Source: ipykernel_launcher.py
User: root
Status: UNFINISHED
Lifecycle Stage: active
Parent Run: cb80e85f273c4e59a18df88d11044a58
Description Edit
Parameters (20)
Metrics (8)
Tags (5)
Artifacts
model
MLmodel
conda.yaml
model.pkl
python_env.yaml
requirements.txt
AUC.png
Confusion Matrix.png
Feature Importance.png
Holdout.html
Full Path:/home/Assignment/02_training_pipeline/mlruns/2/025dd9959bde41d38eec2b9f17b29196/art...
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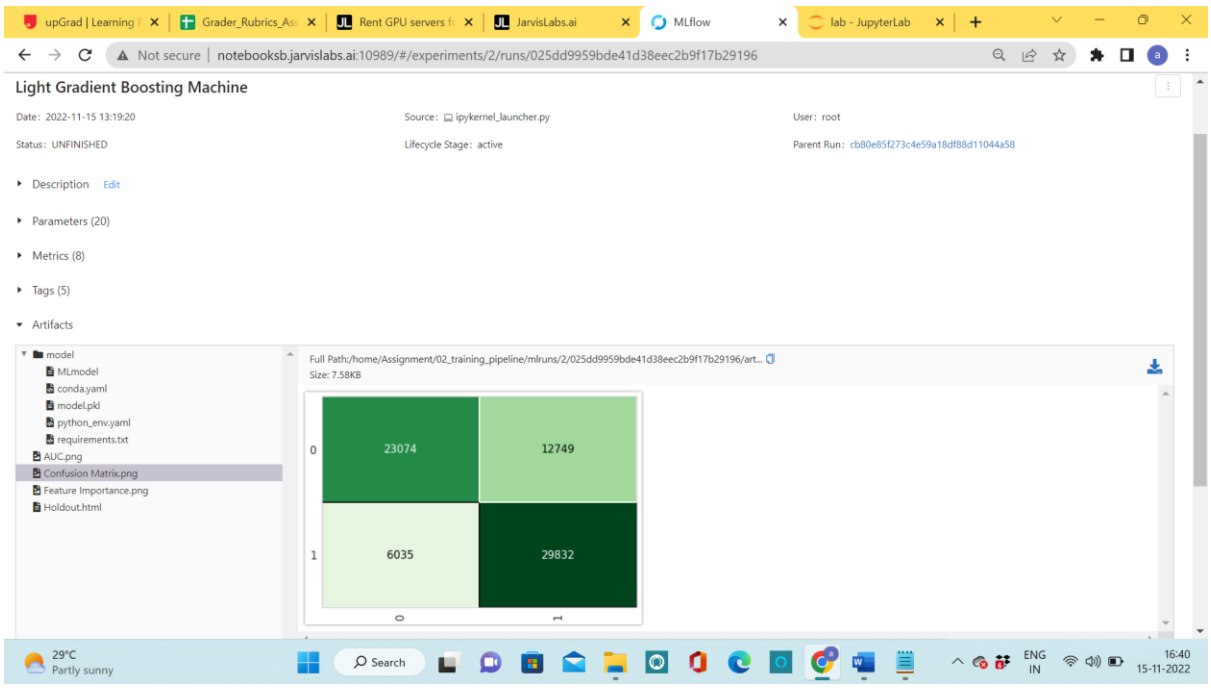
Partly sunny
Search
ENG
IN
16:40
15-11-2022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Rent GPU servers fo
JarvisLabs.ai
MLflow
lab - JupyterLab
Not secure | notebooksb.jarvislabs.ai:10989/#/experiments/2/runs/025dd9959bde41d38eec2b9f17b29196
Light Gradient Boosting Machine
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Source: ipykernel_launcher.py
User: root
Status: UNFINISHED
Lifecycle Stage: active
Parent Run: cb80e85f273c4e59a18df88d11044a58
Description Edit
Parameters (20)
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Artifacts
model
MLmodel
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AUC.png
Confusion Matrix.png
Feature Importance.png
Holdout.html
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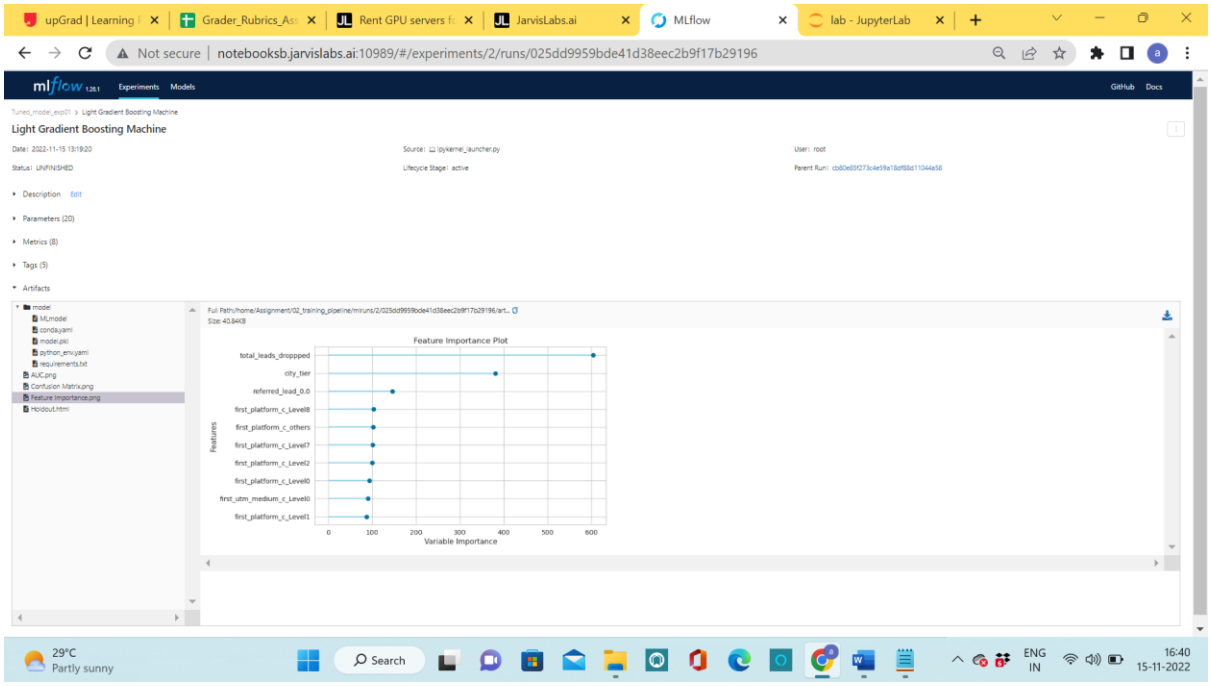
upGrad | Learning
Grader_Rubrics_Ass
Rent GPU servers fo
JarvisLabs.ai
MLflow
lab - JupyterLab
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mlflow 1.26.1
Experiments
Models
GitHub
Docs
Tuned_model_exp01 > Light Gradient Boosting Machine
Light Gradient Boosting Machine
Date: 2022-11-15 13:19:20
Source: ipykernel_launcher.py
User: root
Status: UNFINISHED
Lifecycle Stage: active
Description
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Parameters (20)
Metrics (8)
Tags (5)
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conda.yaml
model.pkl
python_env.yaml
requirements.txt
AUC.png
Confusion Matrix.png
Feature Importance.png
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first_platform_c_others
first_platform_c_Level7
first_platform_c_Level2
first_platform_c_Level0
first_utm_medium_c_Level0
first_platform_c_Level1
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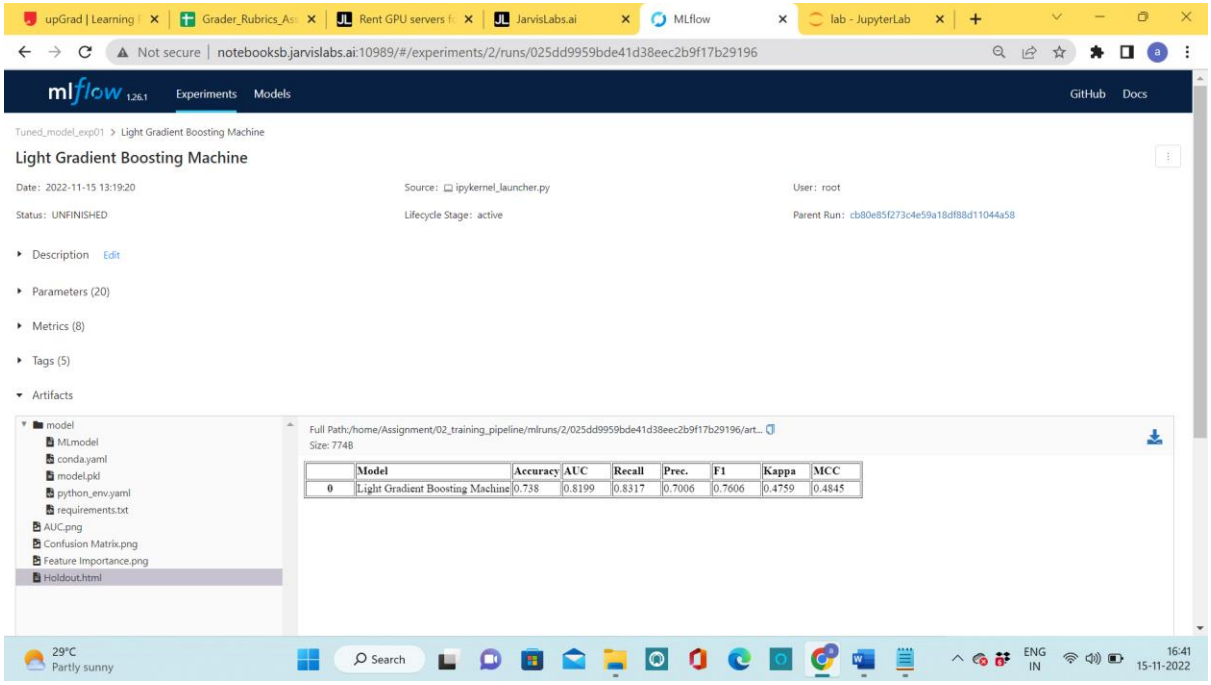
15-11-2022


upGrad | Learning
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JarvisLabs.ai
MLflow
lab - JupyterLab
Not secure | notebooksb.jarvislabs.ai:10989/#/experiments/2/runs/025dd9959bde41d38eec2b9f17b29196
mlflow 1.26.1
Experiments
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Tuned_model_exp01 > Light Gradient Boosting Machine
Light Gradient Boosting Machine
Date: 2022-11-15 13:19:20
Source: ipykernel_launcher.py
User: root
Status: UNFINISHED
Lifecycle Stage: active
Parent Run: cb80e85f273c4e59a18df88d11044a58
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conda.yaml
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AUC.png
Confusion Matrix.png
Feature Importance.png
Holdout.html
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Accuracy
AUC
Recall
Prec.
F1
Kappa
MCC
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Light Gradient Boosting Machine
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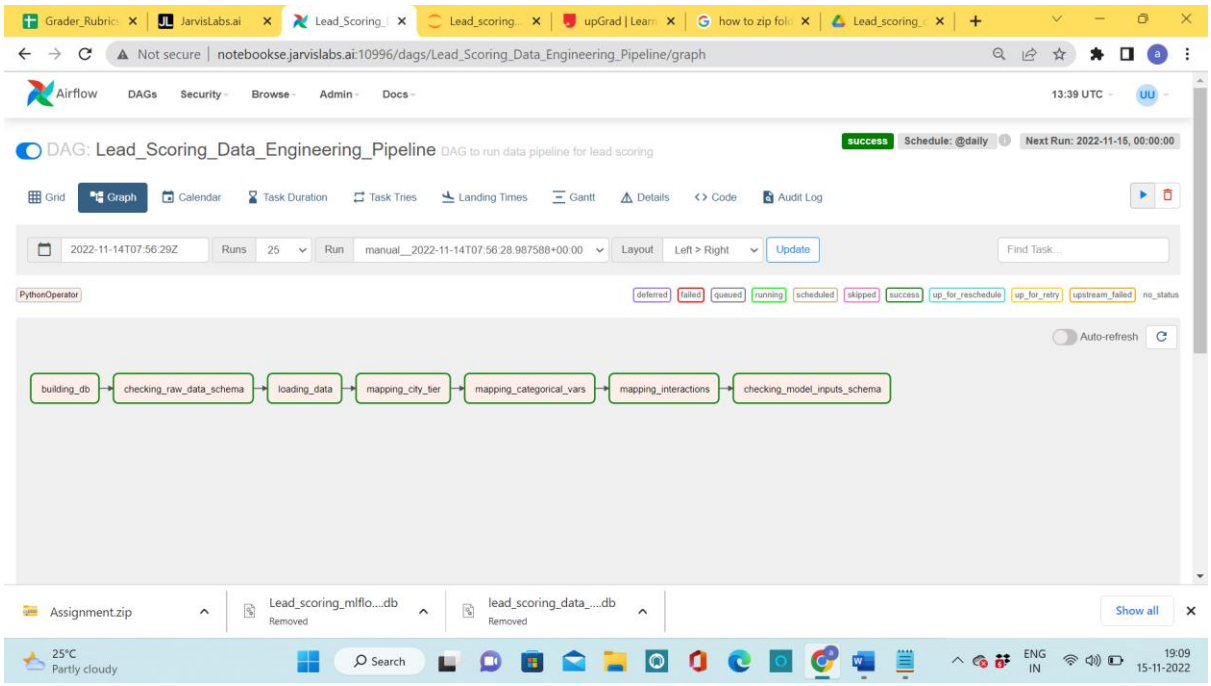
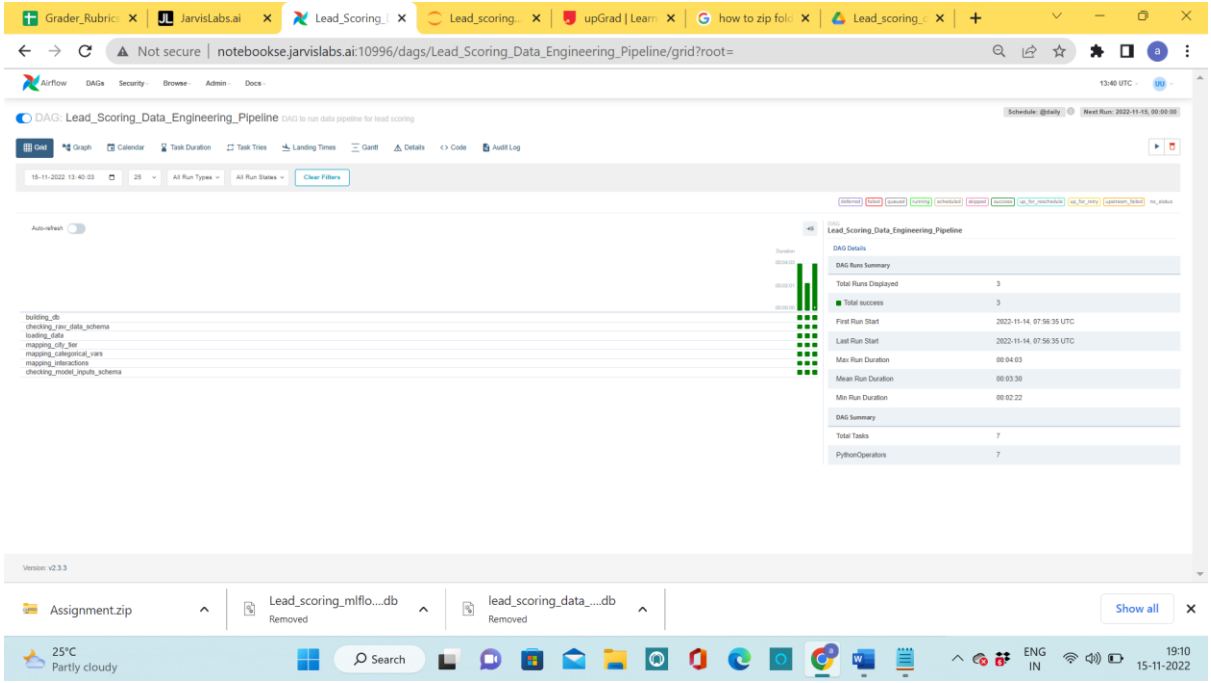
0.7606
0.4759
0.4845
29°C
Partly sunny
Search
ENG
IN
16:41
15-11-2022

DATA PIPELINE

Screenshot of successful execution Airflow DAG in graph

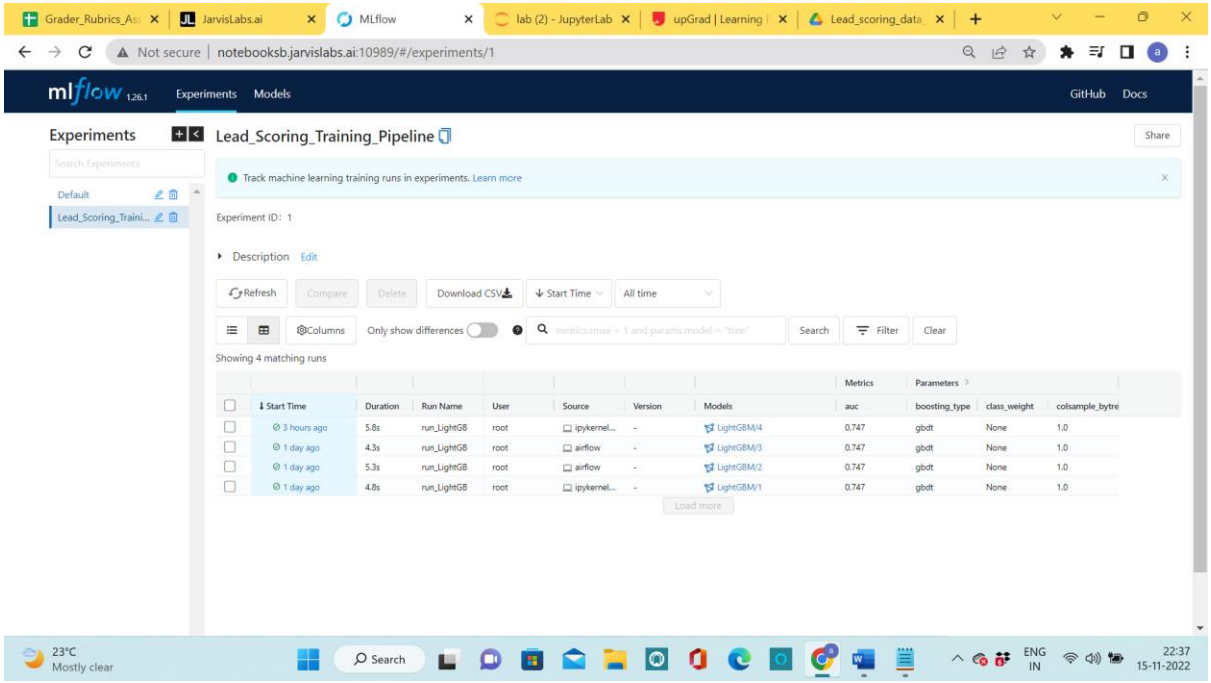


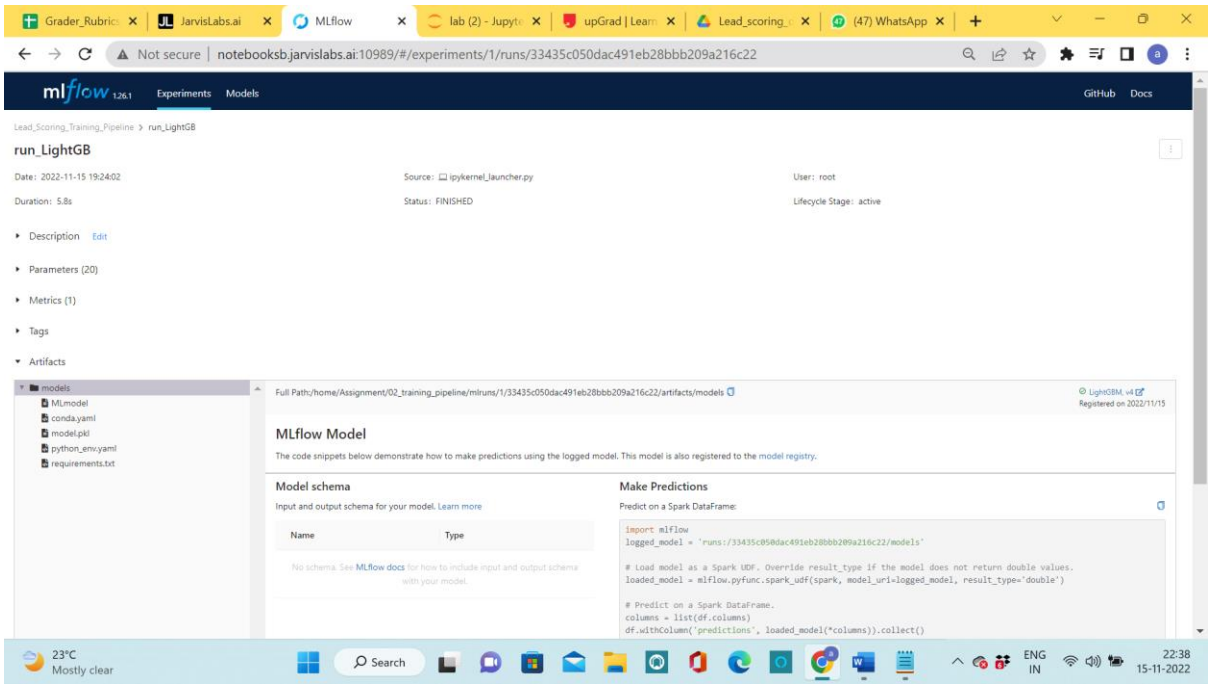
Screenshot of Airflow UI grid

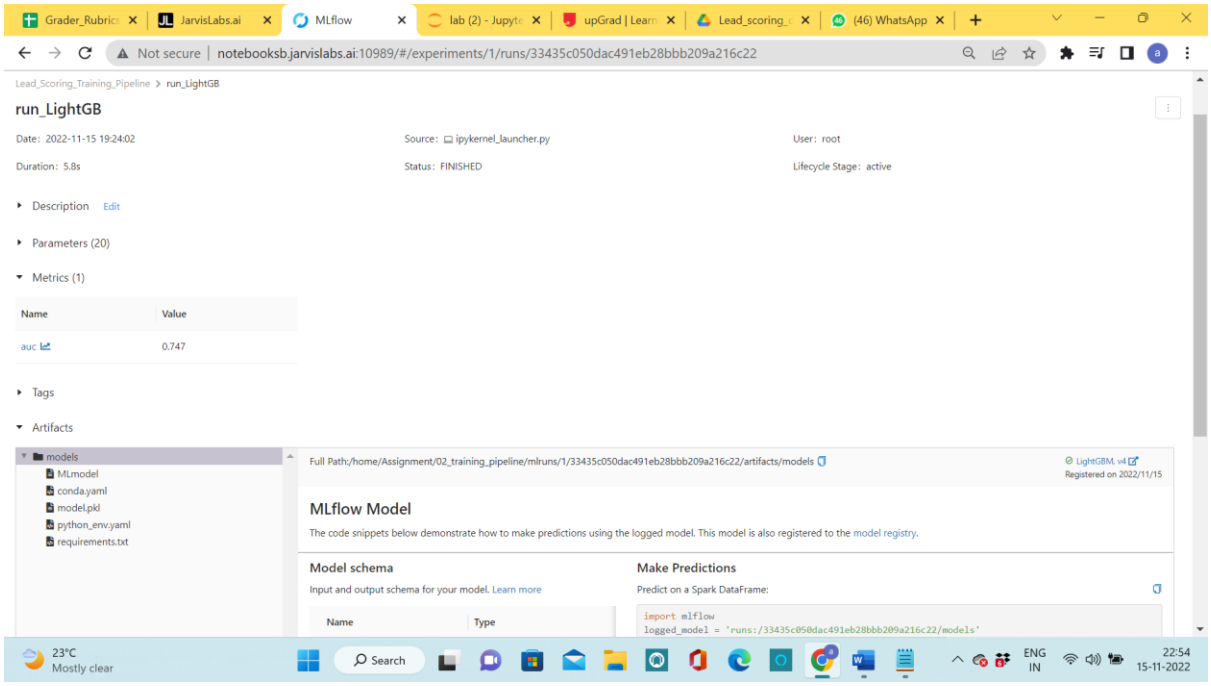


TRAINING PIPELINE

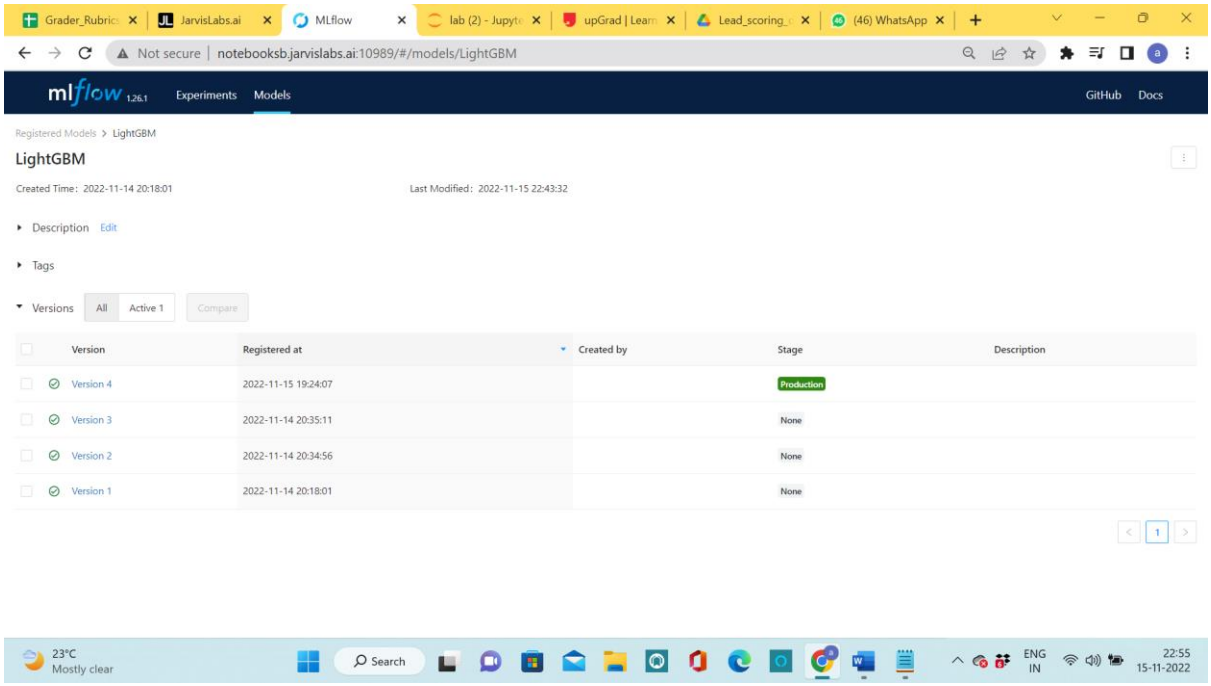
screenshot of experiments with all the artifacts visible and also metric AUC



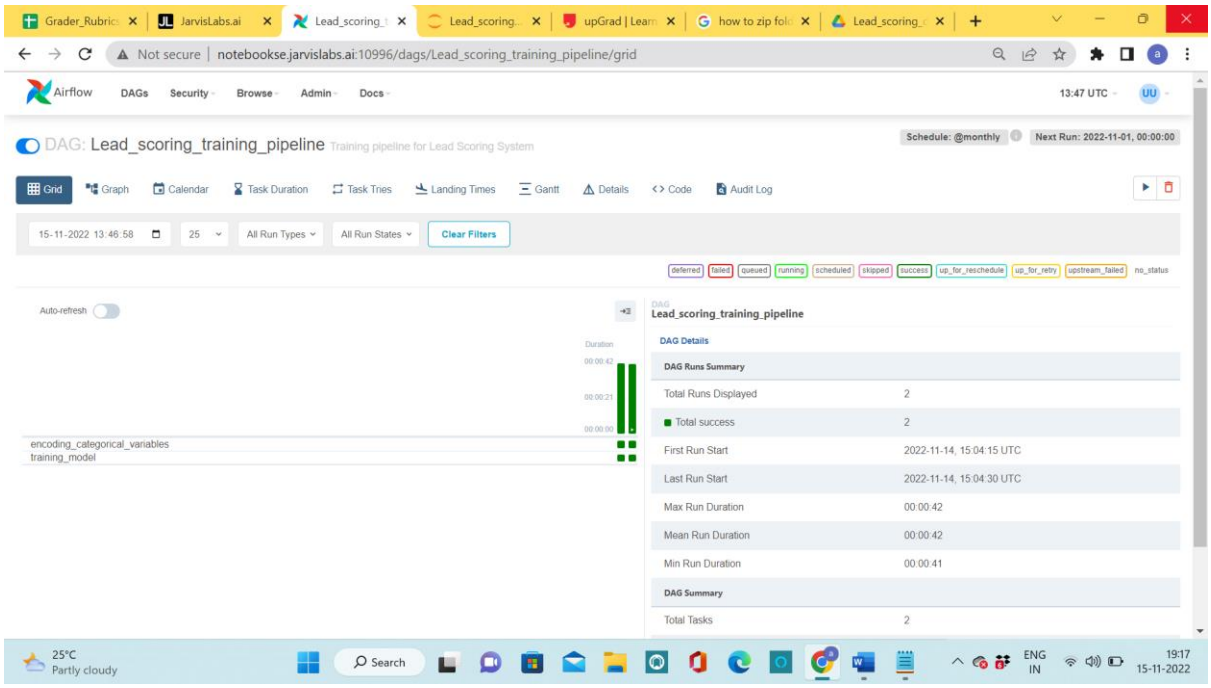




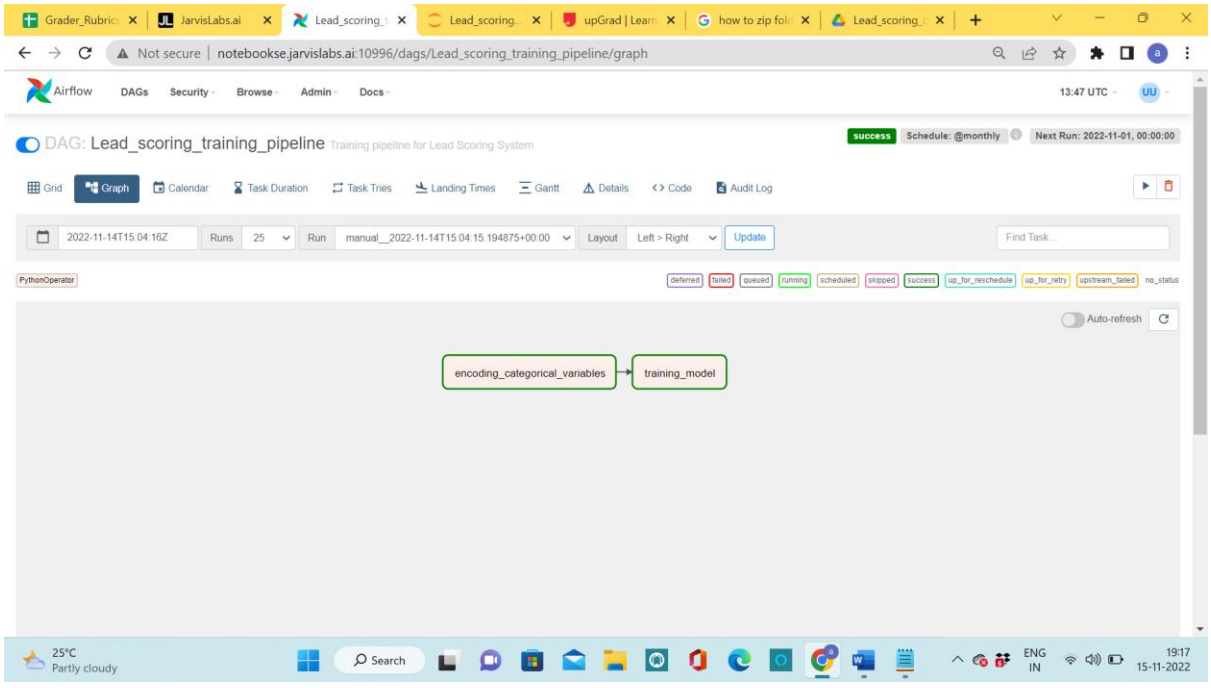
screenshot of model registry with model name and stage as 'production'



Screenshot of Airflow UI grid

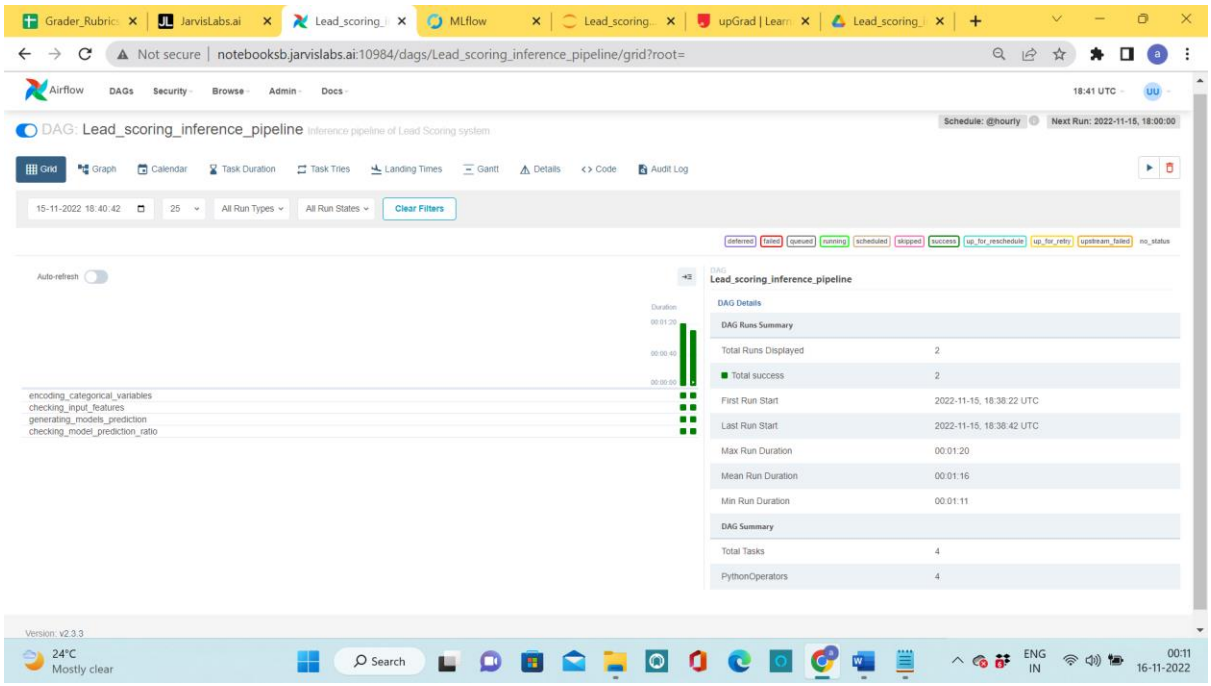


Screenshot of successful execution Airflow DAG in graph

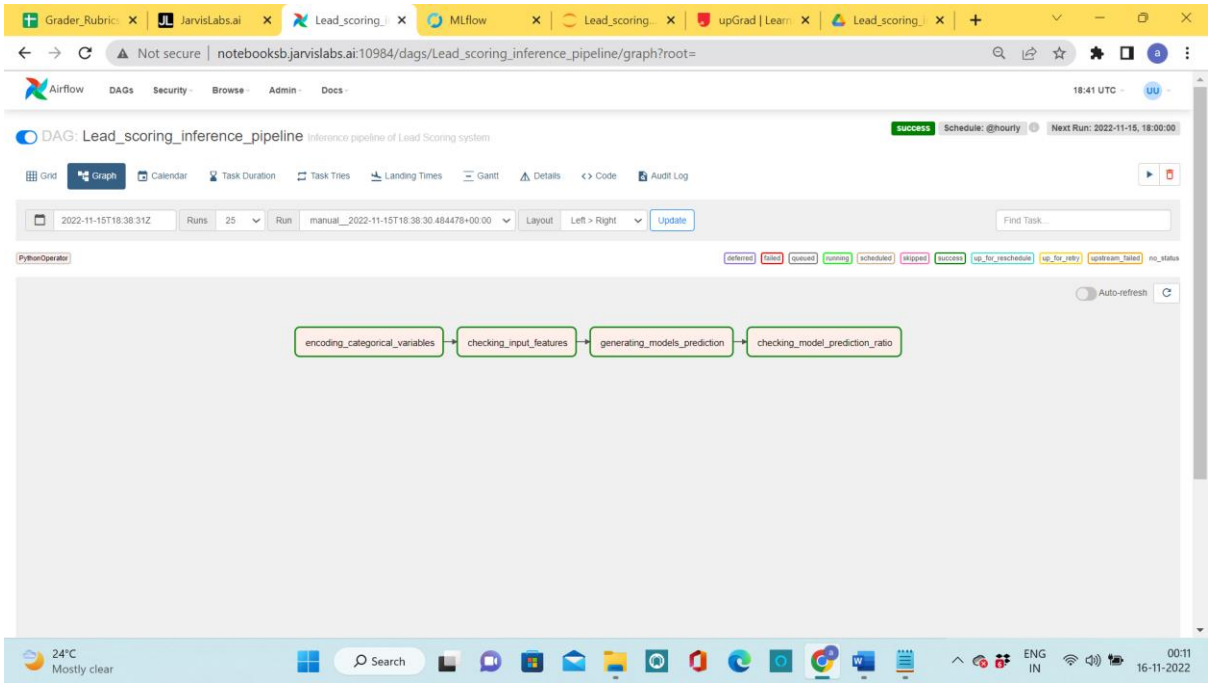


INFERENCE PIPELINE

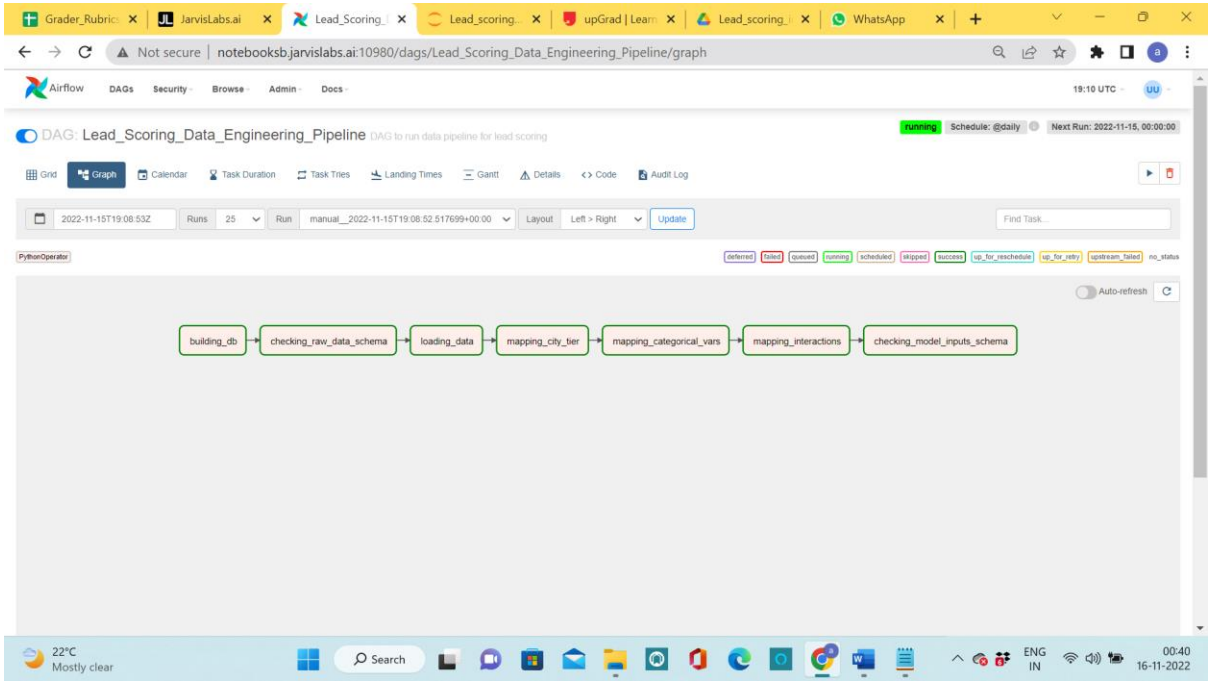
Screenshot of Airflow UI grid

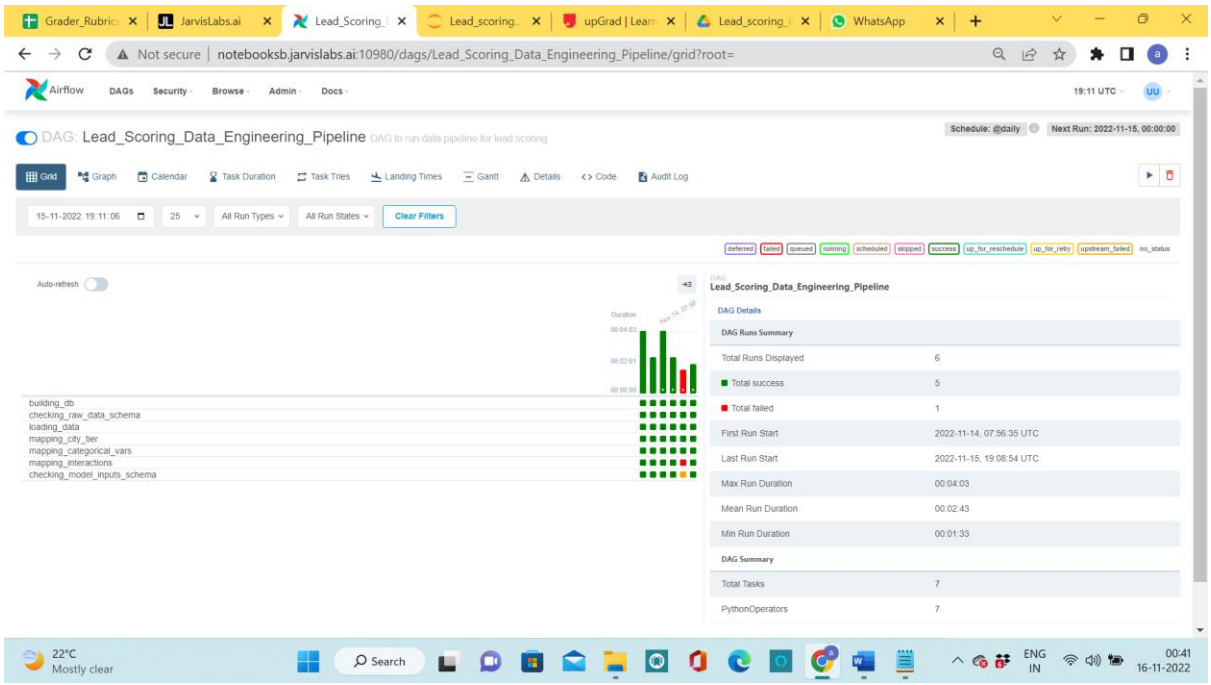


Screenshot of successful execution Airflow DAG in graph



Running data cleaning pipeline on leadscoring_inference.csv





Running data inference pipeline on cleaned leadscoring_inference.csv