

MLOps - Codepro Lead Scoring Classification Assignment Screenshots

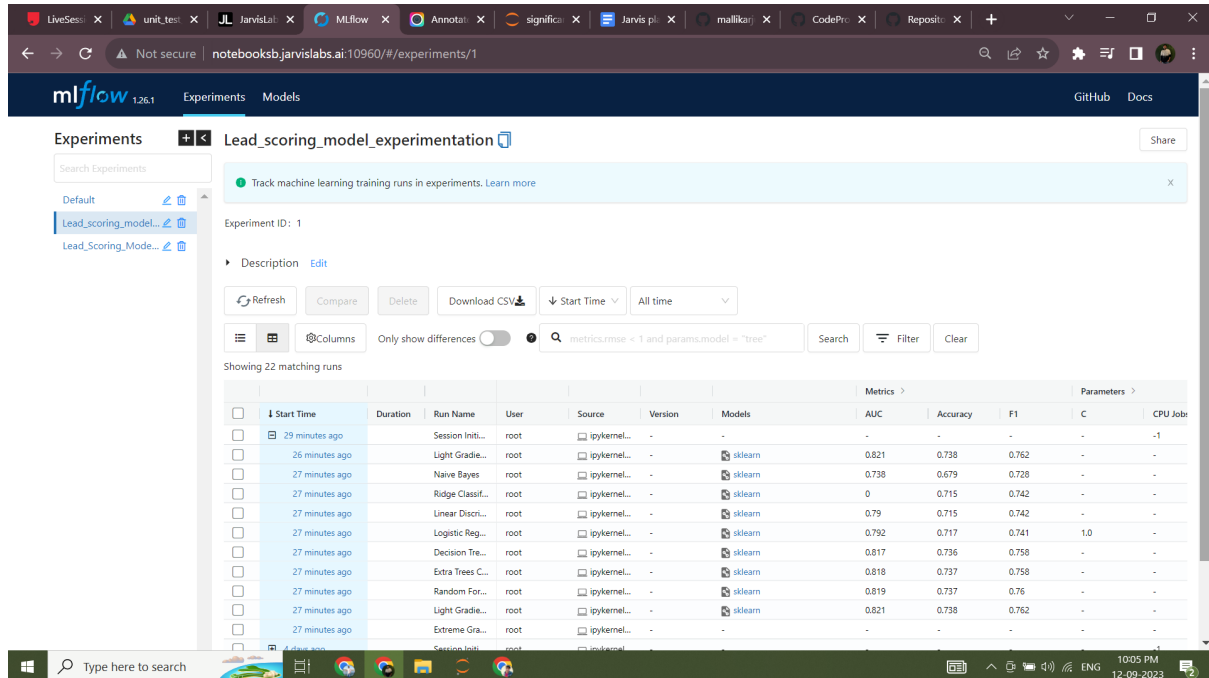
Name: **Mehta Akshat Rohitkumar**

Batch: **ML C-45**

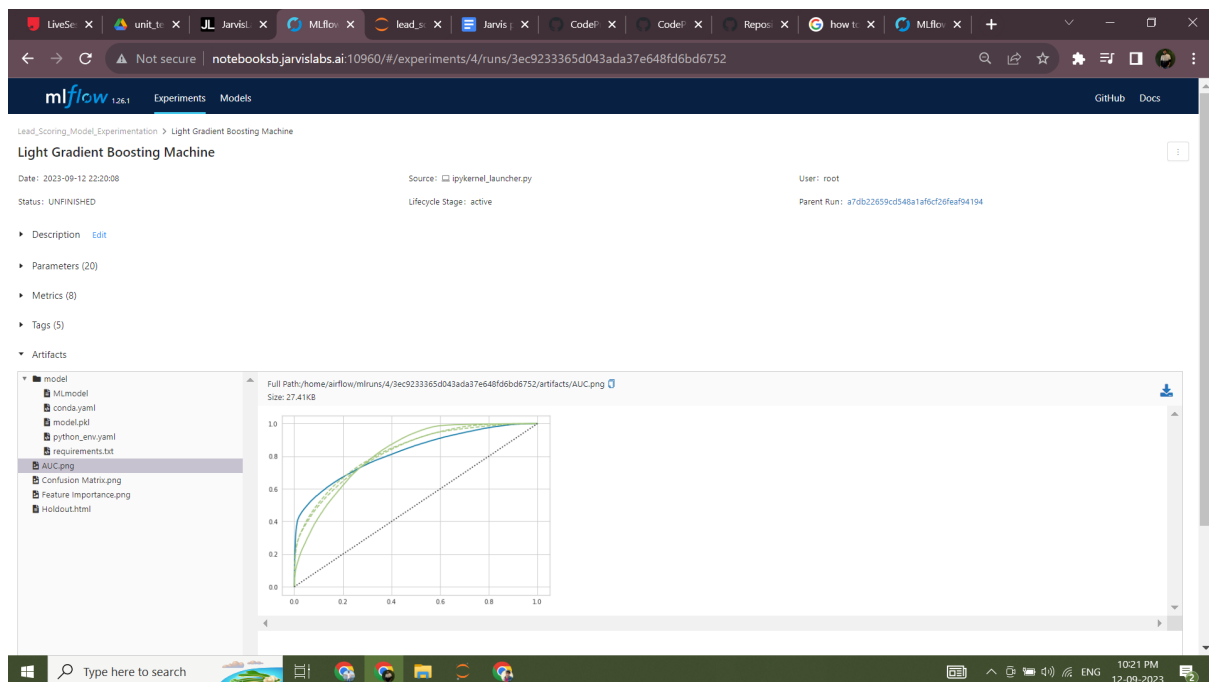
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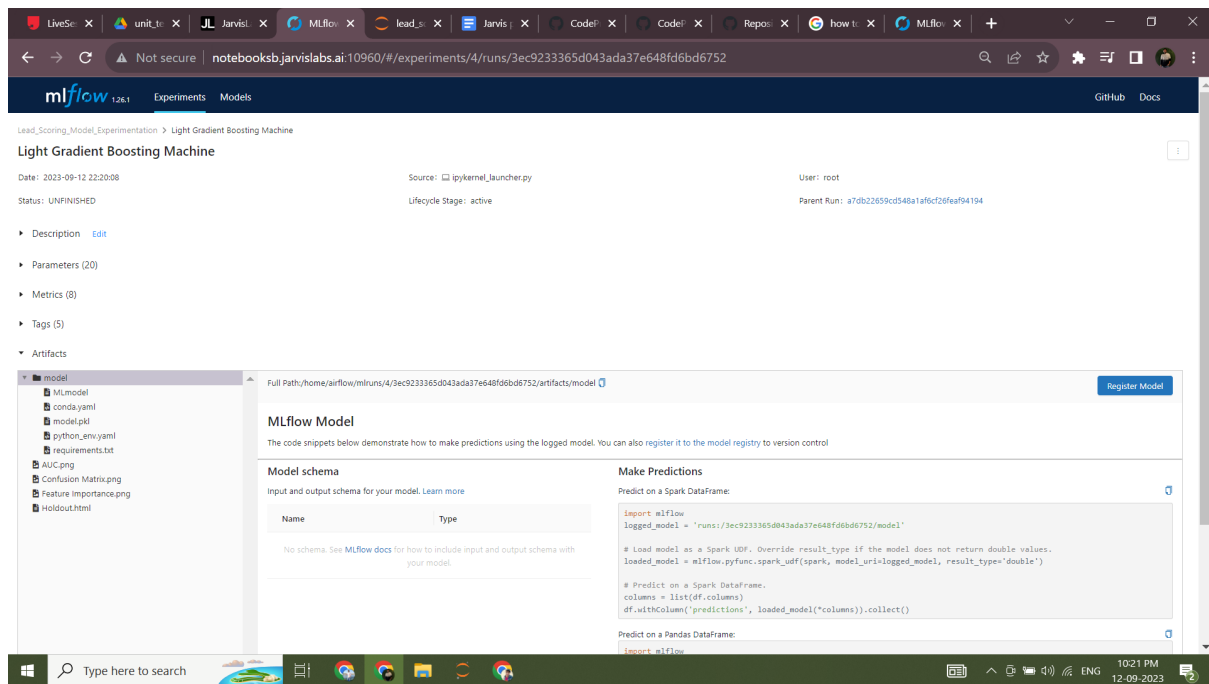
Screenshot of mlflow ui

1. Screenshot of all the experiments



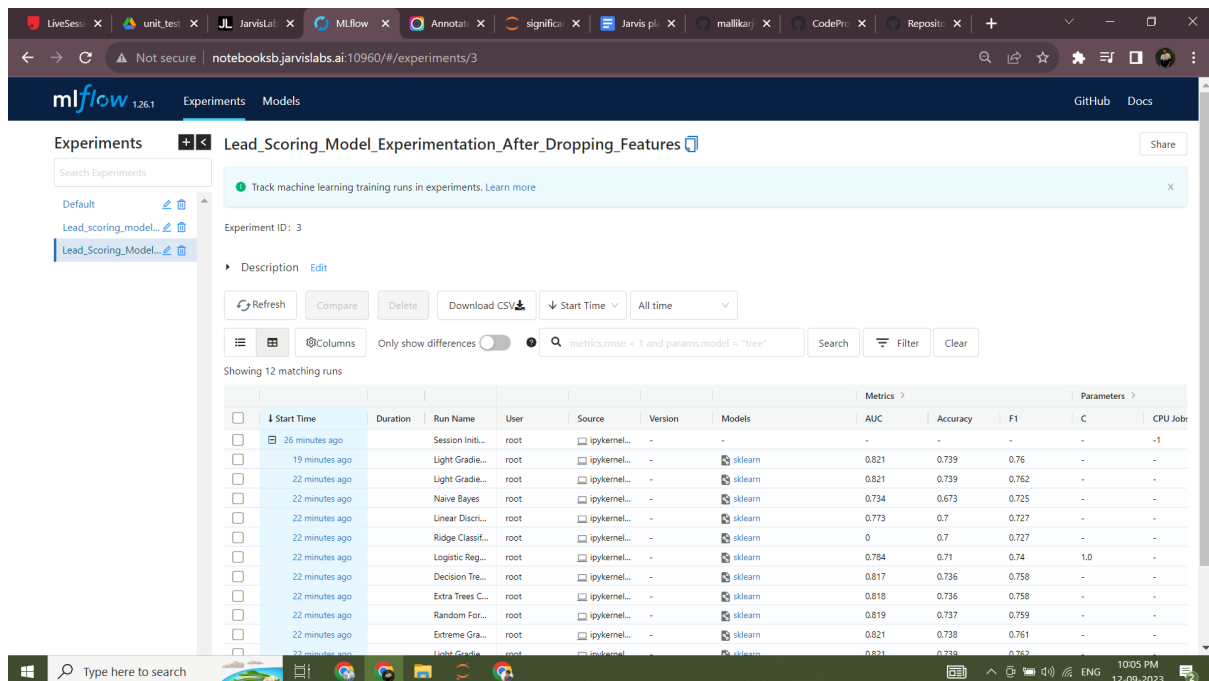
2. Screenshot of one experiments with all the artifacts visible



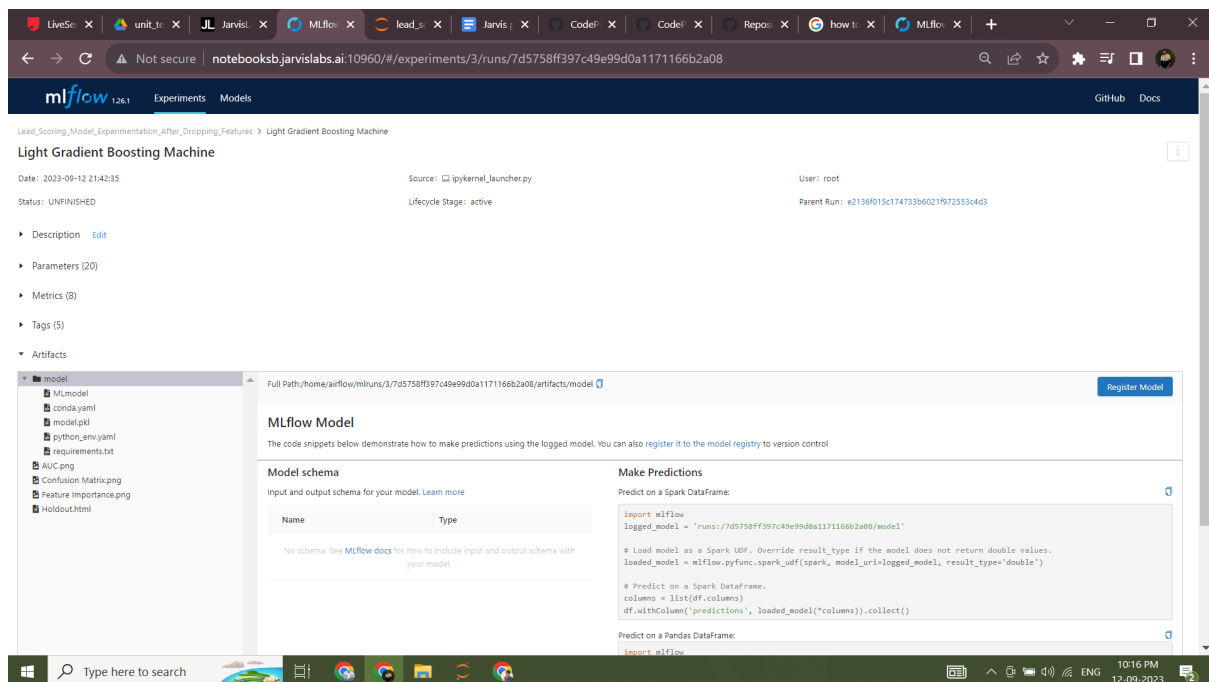
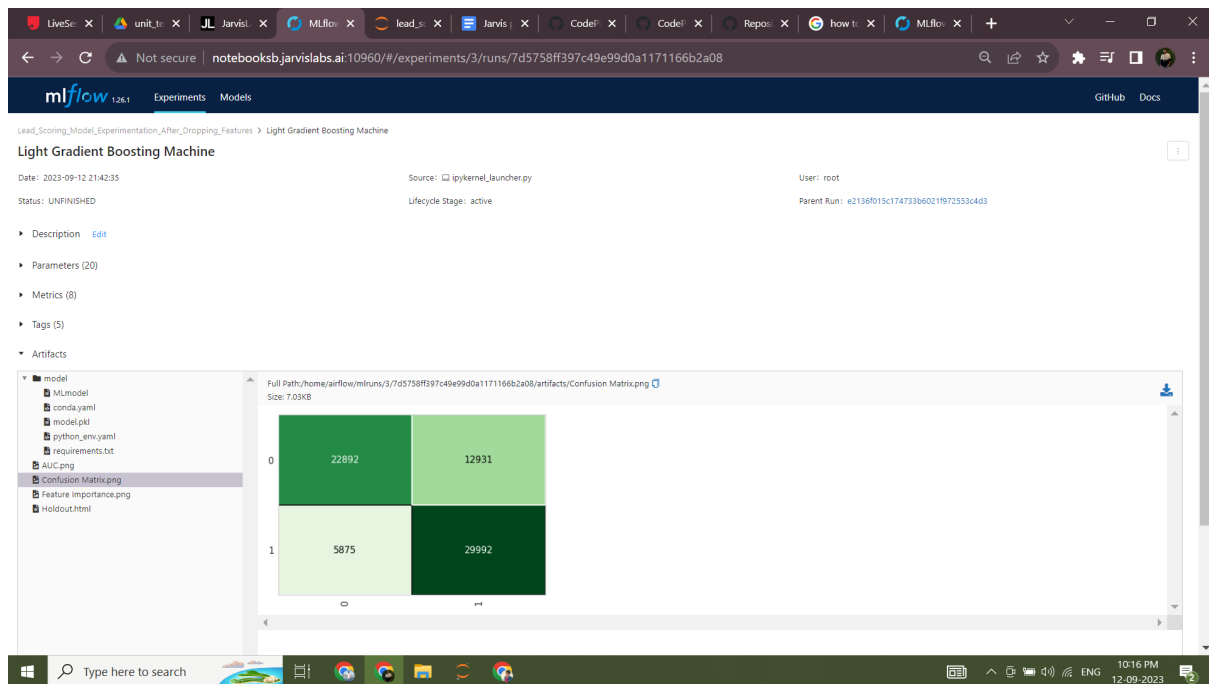


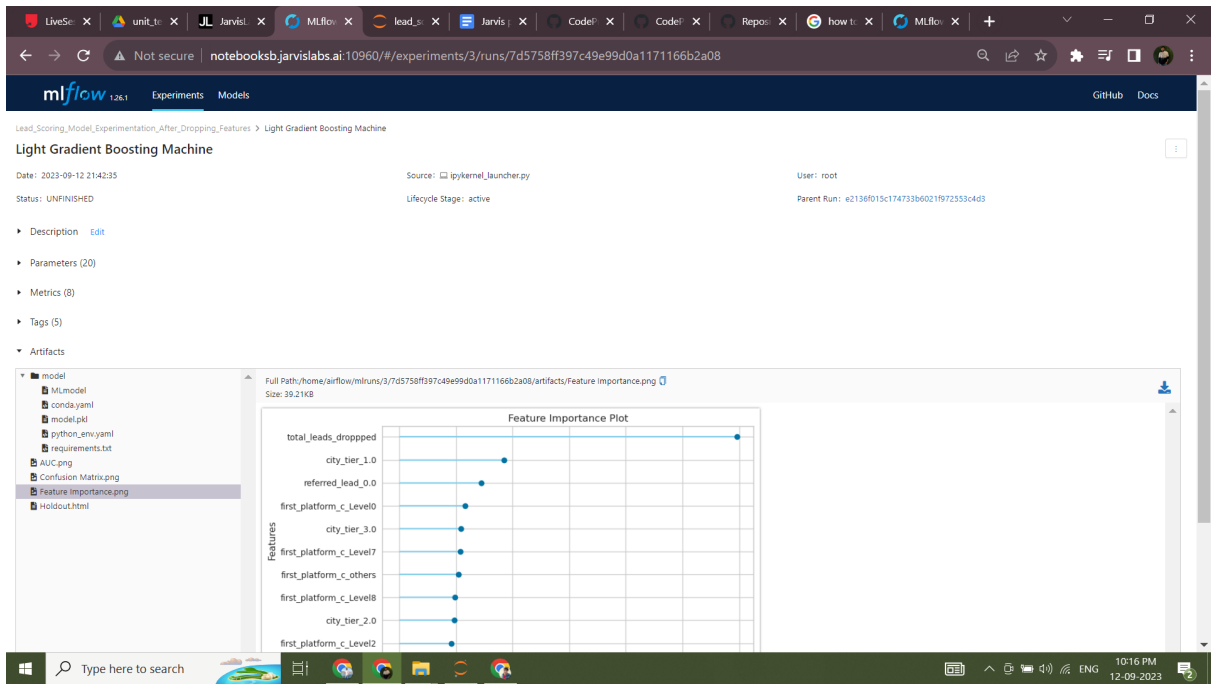
Screenshot of mlflow ui after Dropping Features

1. Screenshot of all the experiments



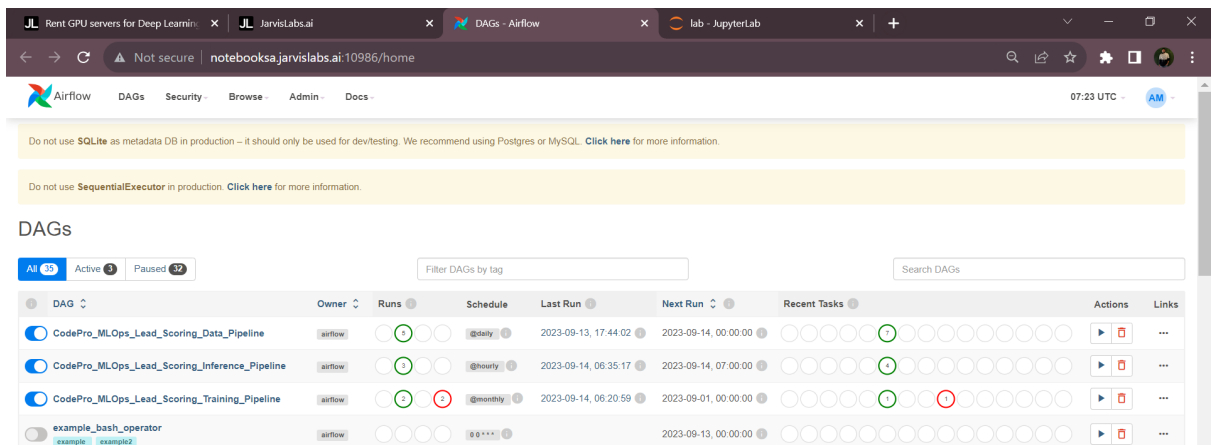
2. Screenshot of one experiments with all the artifacts visible

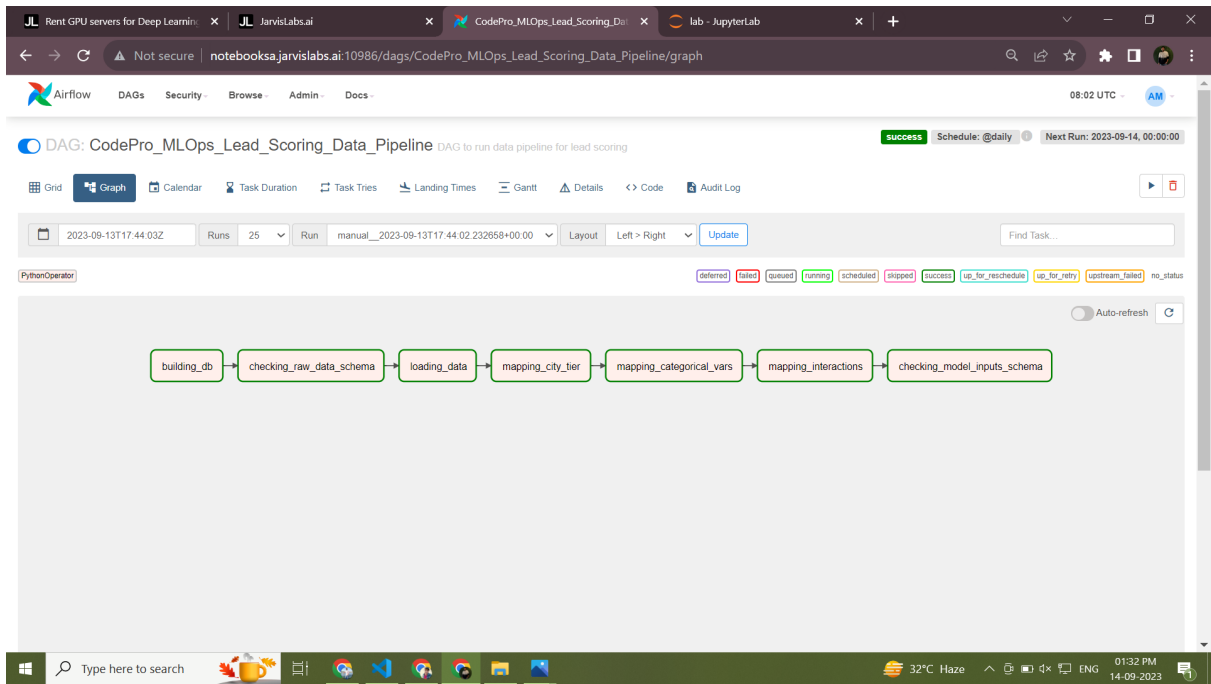




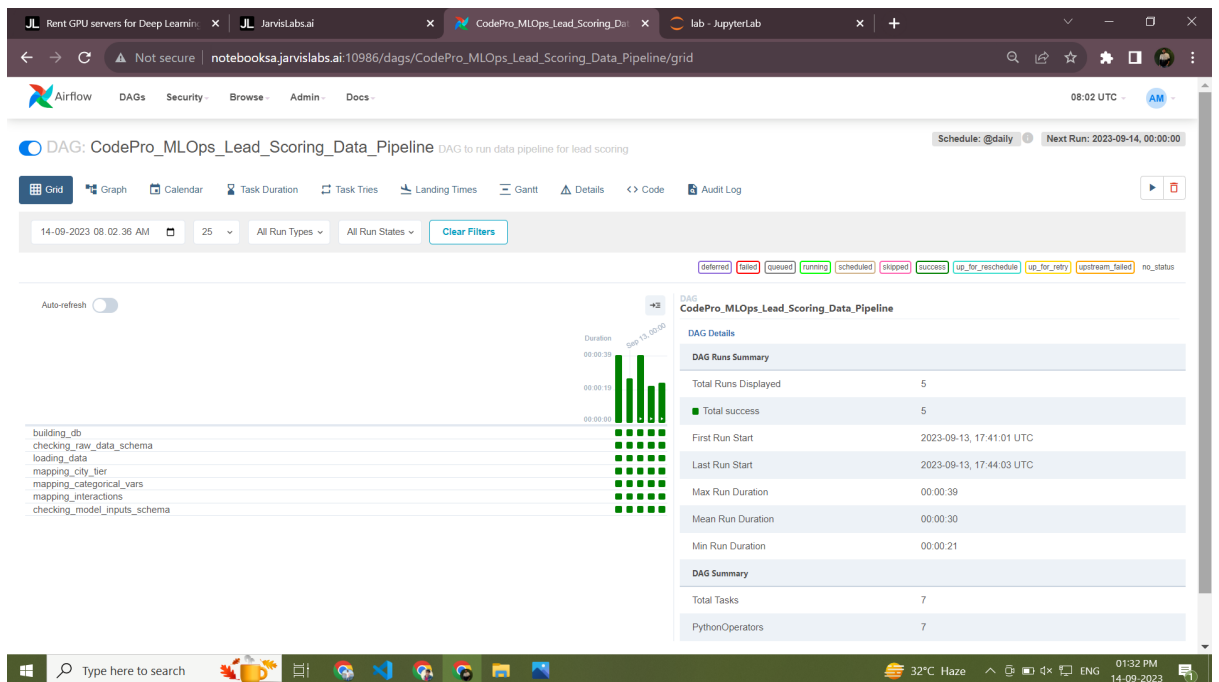
Data Pipeline Screenshots

Screenshot of sucessful execution Airflow DAG in graph



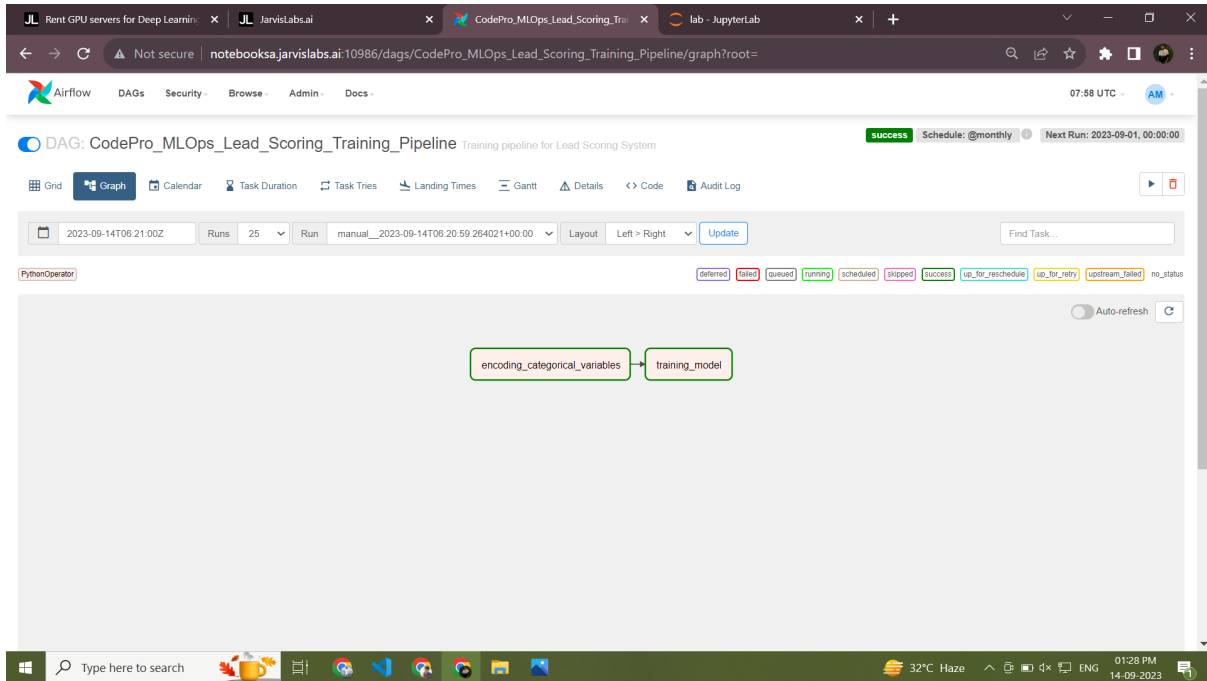


Screenshot of Airflow UI grid

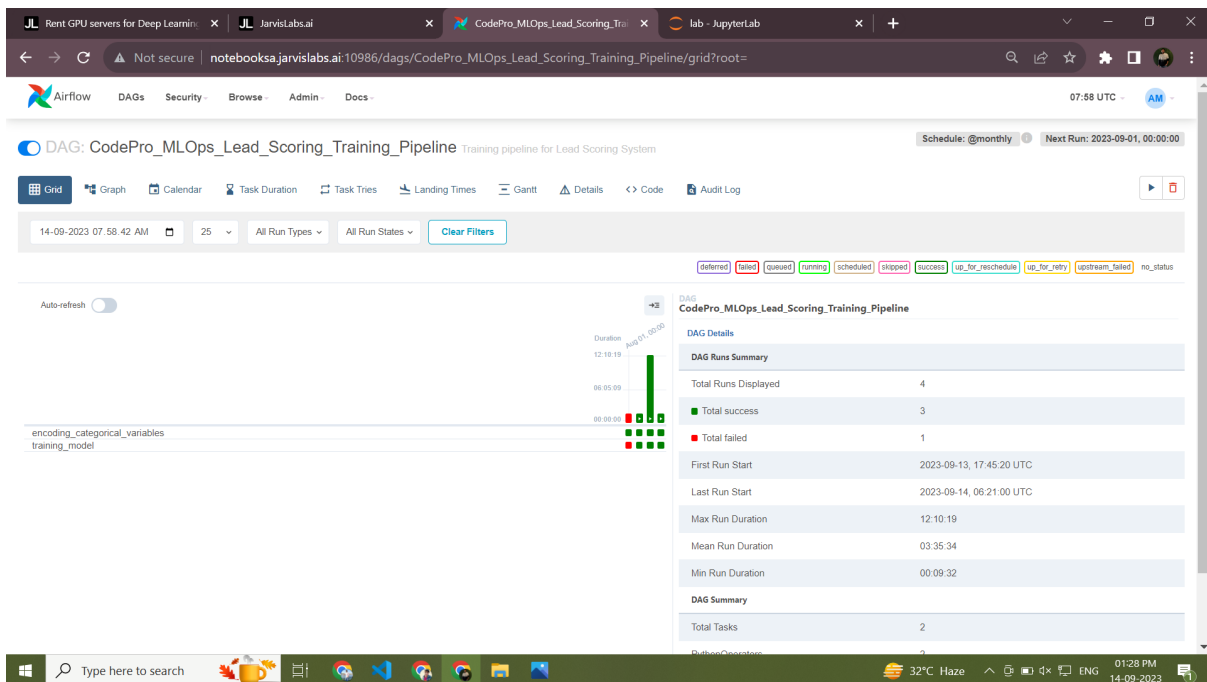


Training Pipeline Screenshots

Screenshot of sucessful execution Airflow DAG in graph



Screenshot of Airflow UI grid



Screenshot of experiments with all the artifacts visible

mlflow1.30.0

ExperimentsModels

Lead_scoring_mlflow_production > Lead_scoring_mlflow_production1604_2023_00_00_00

Run ID: 5a33f1d674894fc0a10ce6d69ec66333Date: 2023-04-16 21:53:14Source: airflow

User: nightfallDuration: 3.8sStatus: FINISHED

Lifecycle Stage: active

> Description Edit

> Parameters (23)

> Metrics (9)

> Tags

> Artifacts

models

MLmodelconda.yamlmodel.pklpython_env.yamlrequirements.txt

Full Path: /home/nightfall/airflow/code/minruns/3/5a33f1d674894fc0a10ce6d69ec66333/artifacts/models

LightGBM v1Registered on 2023/04/16

MLflow Model

The code snippets below demonstrate how to make predictions using the logged model. This model is also registered to the [model registry](#).

Model schema

Input and output schema for your model. [Learn more](#)

Name	Type
No schema. See MLflow docs for how to include input and output schema with your model.	

Make Predictions

Predict on a Spark DataFrame:

```
import mlflow
from pyspark.sql.functions import struct, col
logged_model = 'runs:/5a33f1d674894fc0a10ce6d69ec66333/models'

# Load model as a Spark UDF. Override result_type if the model does not return double values.
loaded_model = mlflow.pyfunc.spark_udf(spark, model_uri=logged_model, result_type='double')

# Predict on a Spark DataFrame.
df.withColumn('predictions', loaded_model(struct(*map(col, df.columns))))
```

Predict on a Pandas DataFrame:

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

mlflow1.30.0

ExperimentsModels

Registered Models > LightGBM > Version 2

Version 2

Registered At: 2023-04-16 21:57:34Stage: ProductionLast Modified: 2023-04-16 21:58:10

Source Run: Lead_scoring_mlflow_production1604_2023_00_00_00

> Description Edit

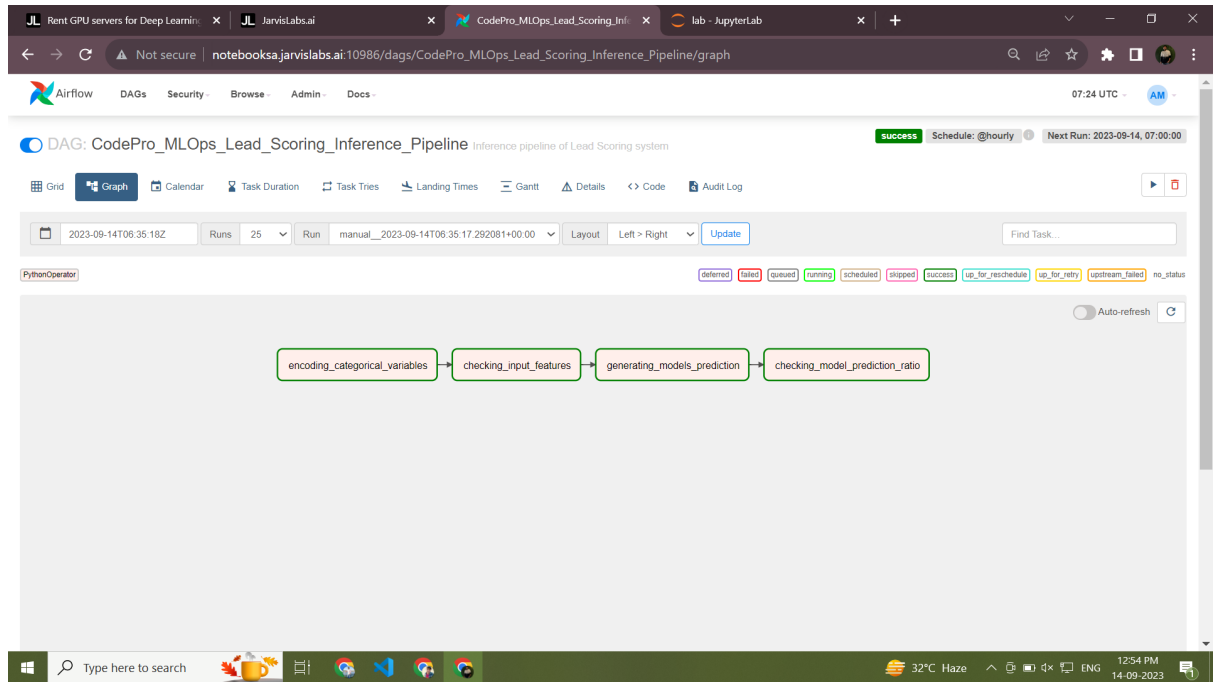
> Tags

> Schema

Name	Type
No schema. See MLflow docs for how to include input and output schema with your model.	

Inference Pipeline Screenshots

Screenshot of sucessful execution Airflow DAG in graph



Screenshot of Airflow UI grid

