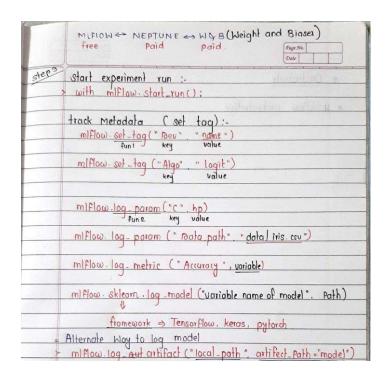
Experiment Tracking and Model Management

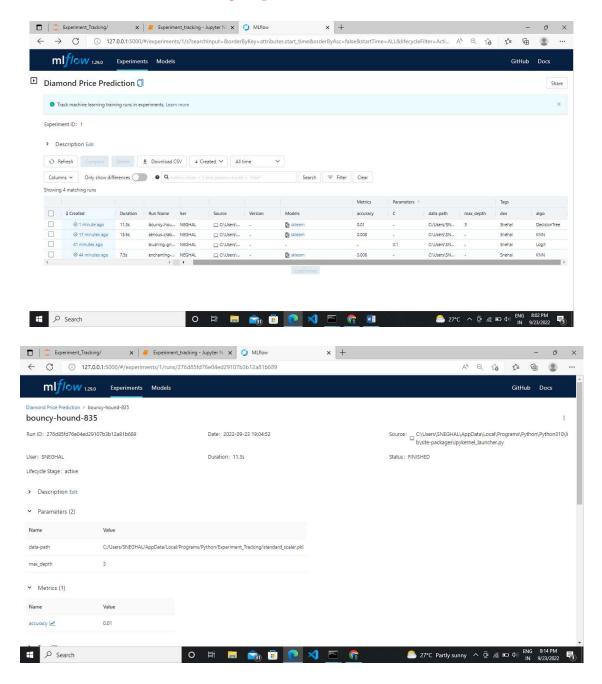
	(Figur No.)
	Order
*	introduction to experiment tracking and model management
*	Micros : Tracking of experiment logging recording all experiment
*	Why login is important ?
*	ML Flow interface
	logging of experiments
	is what is the store you getting? ii) What is the store you getting? iii) What is the store you getting? iii) What ore hyperparameters used? Visualise or see What all experiments conducted.
	Dilbert is the accuracy of
40	ii) Albat are hypernarameters used 9
	Visualise or see What all experiments conducted.
	paidrope transport taxings 4
	MLFIOW
	- North -
	Tracking of experiment Model Management
	Terminology '-
1915	A Experiment Run Creach Intolinal come experiment
	2) Metadata for each experiment run : every information related to an experiment run :
- Consul	- Hyperparameters used
	-train size and test size
	- Data used
	- Algorithm Used
3\ A.L	- Score of model
7 111	facts - cutput file from experiment run (ext file)

	Phys 766 Outr
*	Why trocking:
	- organization, and optimization much simple
	meaning full
	- Reproducability named in columns prince
	. 101
	installation:
	pip install mIFlow and authorized to addressing of
	miflow vi and and the w
10951	♦ go to j
	127.0.0.1:5000 (User interface)
	Republic all as held h
	and with file tocation (py)
	> mlflow vi backend - store - vri solite : 111mlflow.db
	- Dadgistan Standarda to toda au yo safarelit
*	Miflori Experiment tracking
	MLFIOW
	- Usana Concilia - Lancila - Concilia - Conc
	Experiment tracking Model Management
	1000 Floridgement
	Experiment Run Metal data Artifact model registry (storing the model)
Loos	(storing the model)
Ster	import matflow mlflow
step	import matflow miflow mat miflow set tracking un (Batabase Ori) tracking of miflow set experiment ("Experiment Name")
	miflow set experiment (" Experiment Name")
	THE STATE OF THE S
artifact.	model = Logistic Regression (c = hp) - model fit (X hain y hain) metadata - glest prediction = model prediction (x test) - matrics accuracy score (y test, y test prediction)
	ytest prediction = model prediction (x bal)
metadota	icic = matrics accuracy score (y too) w look on 11)
	Jean green precharion)



```
Step 1 - Import MLFlow
import mlflow
Step 2 - Set the tracker and experiment
mlflow.set_tracking_uri(DATABASE_URI)
mlflow.set_experiment("EXPERIMENT_NAME")
Step 3 - Start a experiment run
with mlflow.start_run():
Step 4 - Logging the metadata
mlflow.set_tag(KEY, VALUE)
mlflow.log_param(KEY, VALUE) mlflow.log_metric(KEY, VALUE)
Step 5 - Logging the model and other files (2 ways)
Way 1 - mlflow.<FRAMEWORK>.log_model(MODEL_OBJECT, artifact_path="PATH")
Way 2 - mlflow.log_artifact(LOCAL_PATH, artifact_path="PATH")
```

MLFlow Interface for Tracking Experiments



MLFlow Interface for Model Management

