Azure Coding Challenge

-Sarthak Niranjan Kulkarni (Maverick)

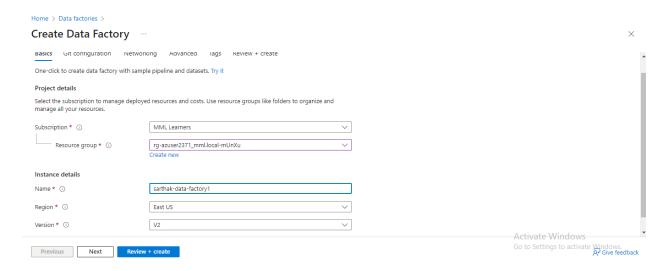
- <u>sarthakkul2311@gmail.com</u> - (+91) 93256 02791

10/12/2024 (Tuesday)

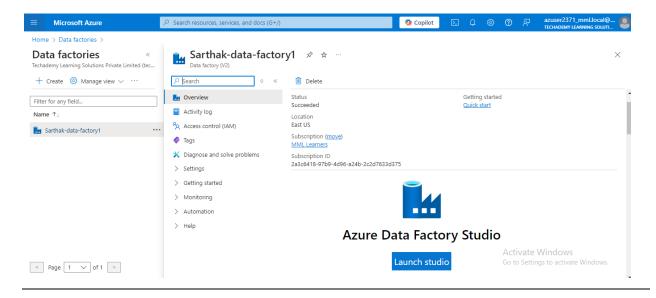
Copy activity from datalake to datalake in azure datafactory: -

1. Opening Data Factory

Create Data Factory

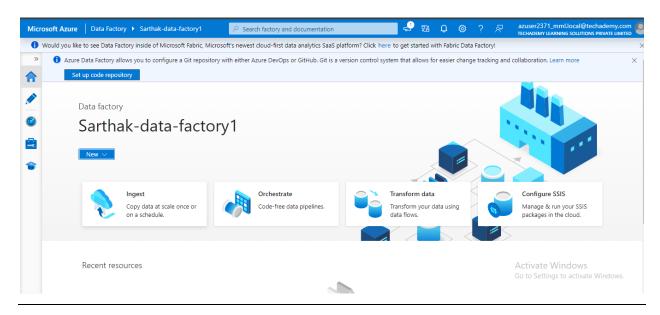


Then launch Azure Data Factory Studio



2. Ingesting the data

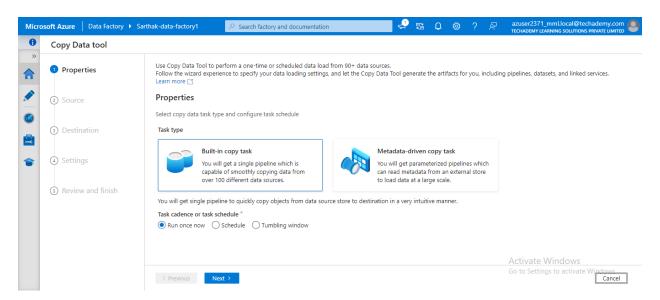
Click on Ingest



3. Setting up Copy data tool

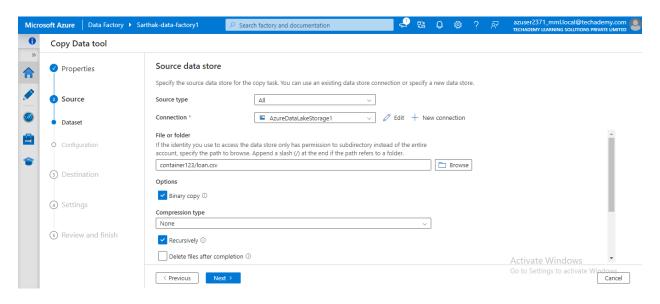
Properties

Select your property and proceed



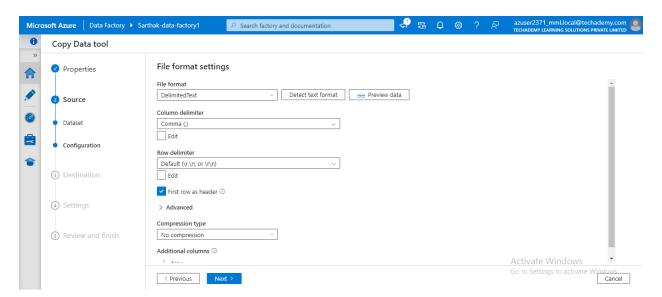
Source → Dataset

Select your source file and check binary copy checkbox



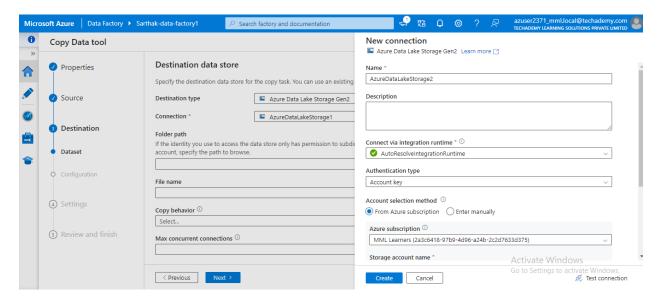
• Source → Dataset → Configuration

Select your desired configurations and click on next

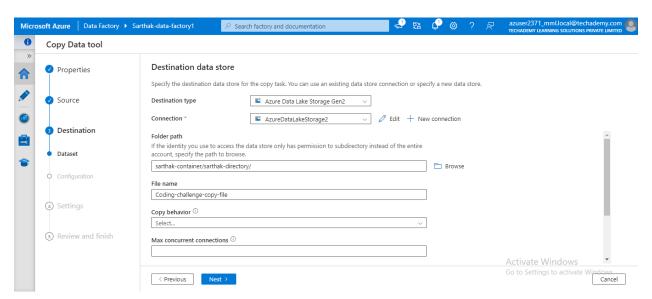


• Destination → Dataset

Create a new connection of Data Lake Storage

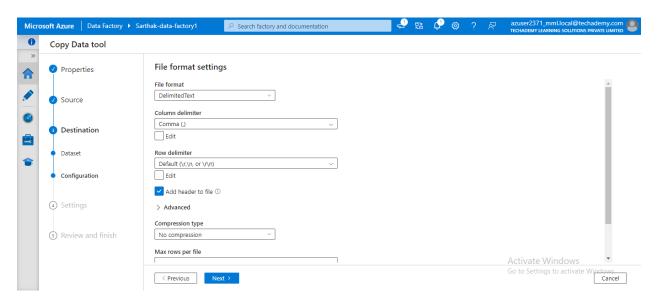


Select destination path and give a name to the file



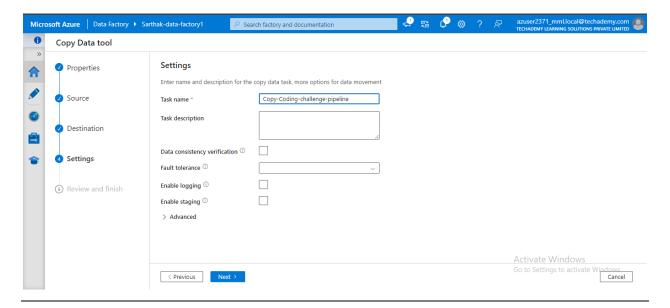
• Destination → Dataset → Configuration

Select your desired configurations and click on next



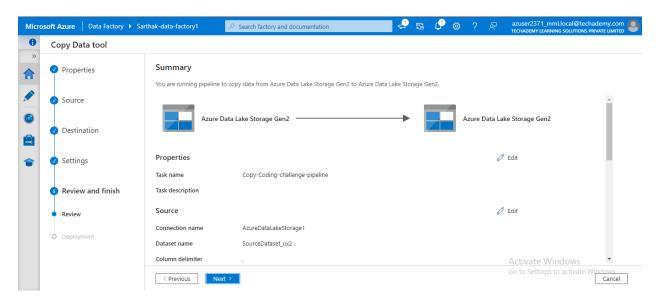
Settings

Give some name to the task and proceed

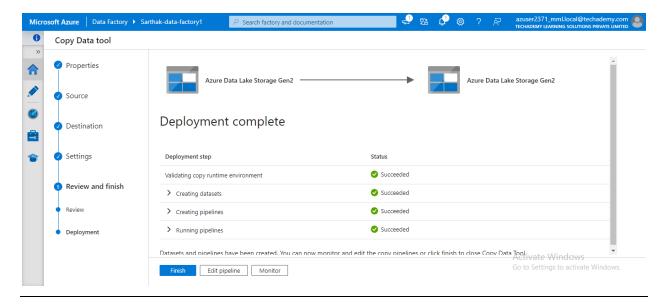


4. Deploying the Copy Data Pipeline

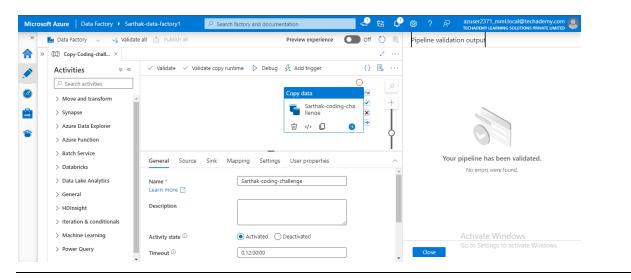
• Review all the configuration and click on next



• This window would ensure the deployment of Copy data Pipeline

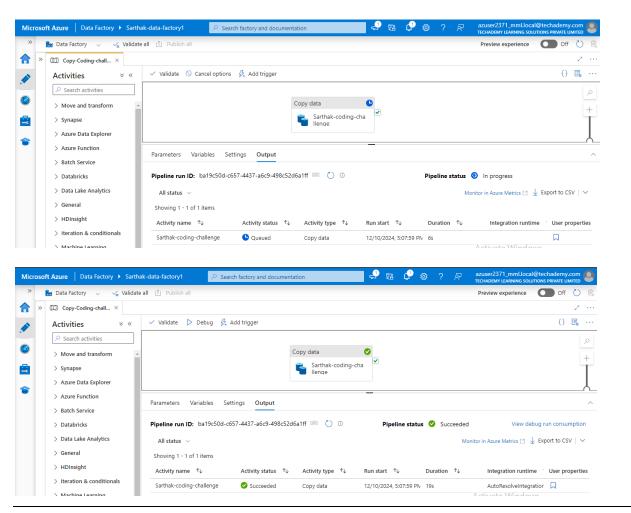


5. Validating the Pipeline

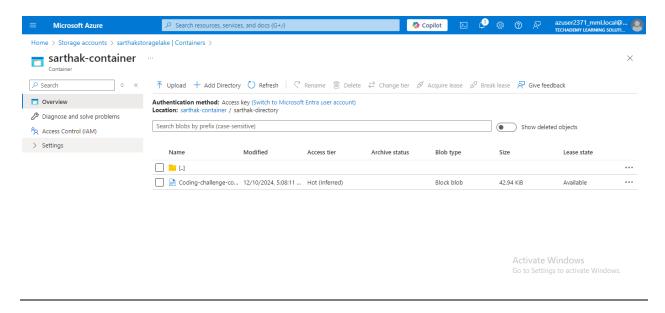


6. Debugging the pipeline

Debugging process would start wait for some time to complete



7. Verify the whole process by visiting Data Lake storage account



<u>Data Factory:</u> Azure Data Factory is a cloud-based data integration service that enables you to create, schedule, and orchestrate data workflows. It supports data movement and transformation across a wide range of sources, making it ideal for ETL processes and data automation.

Copy Data Pipeline: The Copy Data Pipeline in Azure Data Factory is used to move data from one source to a destination efficiently. It supports diverse data formats and can handle complex transformations during the data transfer process.