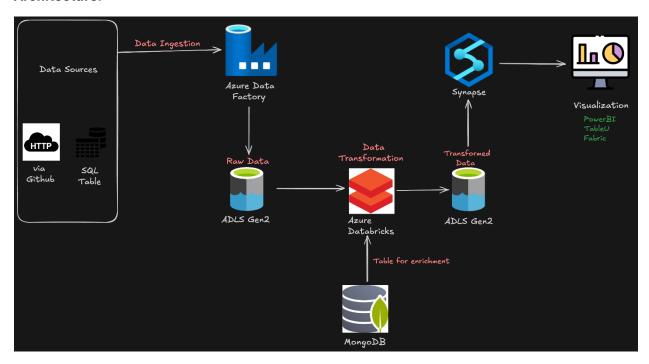
End-to-End Data Engineering Project

Project Architecture Overview:

- Complete E-commerce data pipeline implementation
- Azure-powered cloud architecture
- Real-world data handling techniques
- Industry-standard best practices

Architecture:



Dataset:

https://www.kaggle.com/datasets/olistbr/brazilian-ecommerce

Multiple Data Sources:

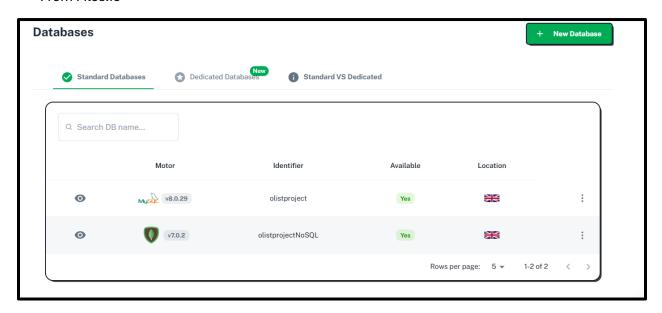
1. HTTP (git hub):

https://github.com/NisanthTumu/End-to-End-Data-Engireening-Project--olist-/tree/main/Data

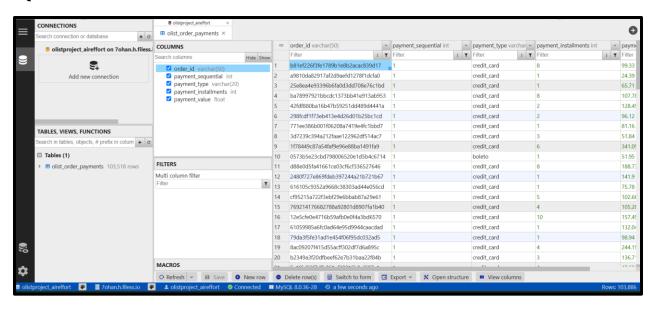


2. SQL and NoSQL Databases:

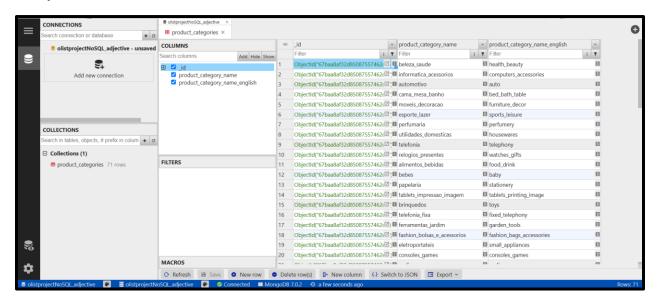
From Files.io



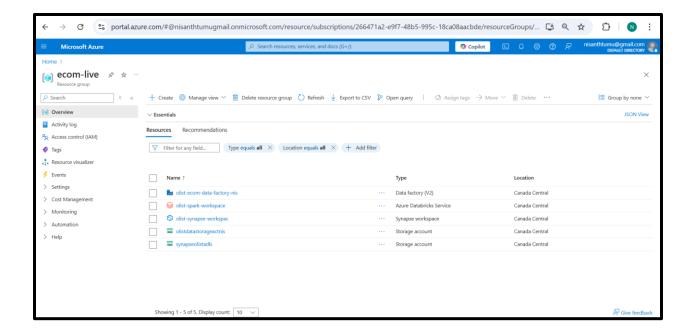
SQL Database:



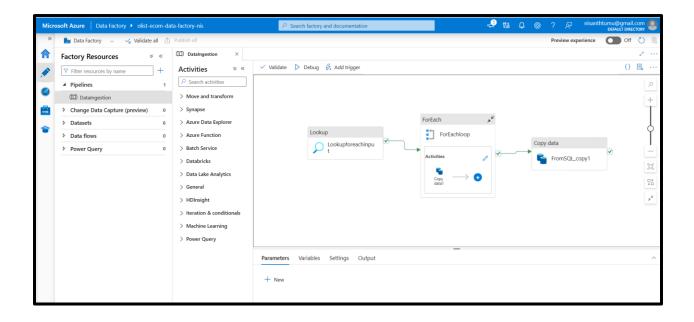
NoSql Database:



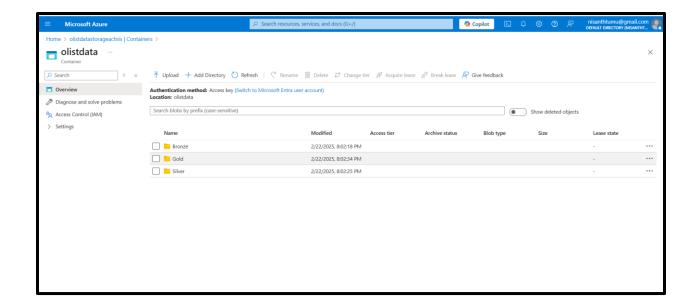
Azure Setup:



DataFactory Pipeline:

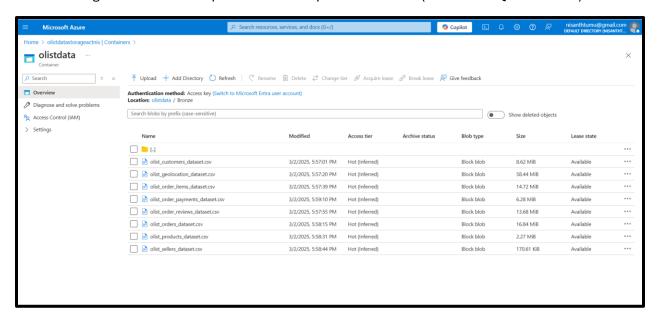


Data Storage account: (Medallion Architecture)



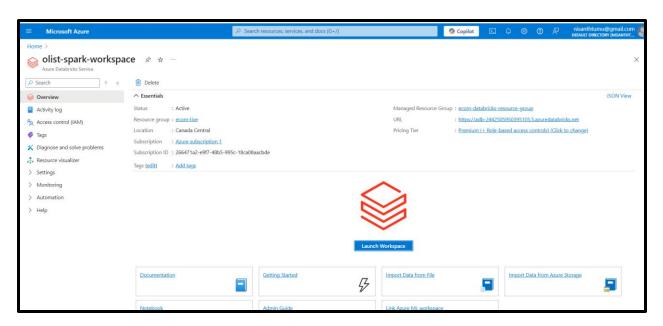
Bronze Layer:

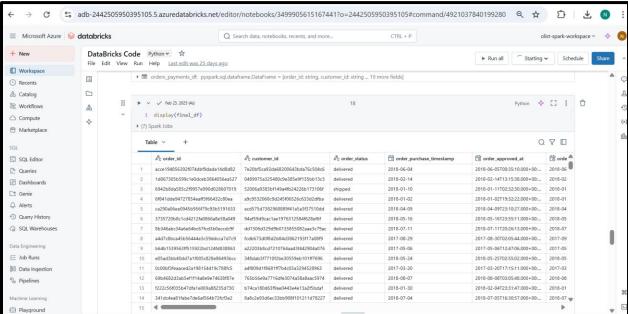
After Data Ingestion from ETL Pipeline with multiple data sources(HTTP and SQL Database)

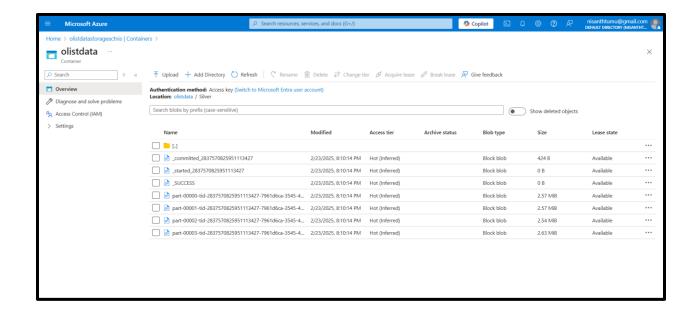


Silver Layer:

After data wrangling and enrichment (from NoSQL Database) using Azure Databricks







Gold Layer:

After Data Transformation from Azure Synapse Workspace

