**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:**

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**Dataset:**

[**https://www.kaggle.com/datasets/olistbr/brazilian-ecommerce**](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**](https://github.com/NisanthTumu/End-to-End-Data-Engireening-Project--olist-/tree/main/Data)

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1. **SQL and NoSQL Databases:**

From Files.io

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**SQL Database:**

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**NoSql Database:**

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**Azure Setup:**

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**DataFactory Pipeline:**

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**Data Storage account: (Medallion Architecture)**

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**Bronze Layer:**

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

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**Silver Layer:**

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

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**Gold Layer:**

After Data Transformation from Azure Synapse Workspace

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