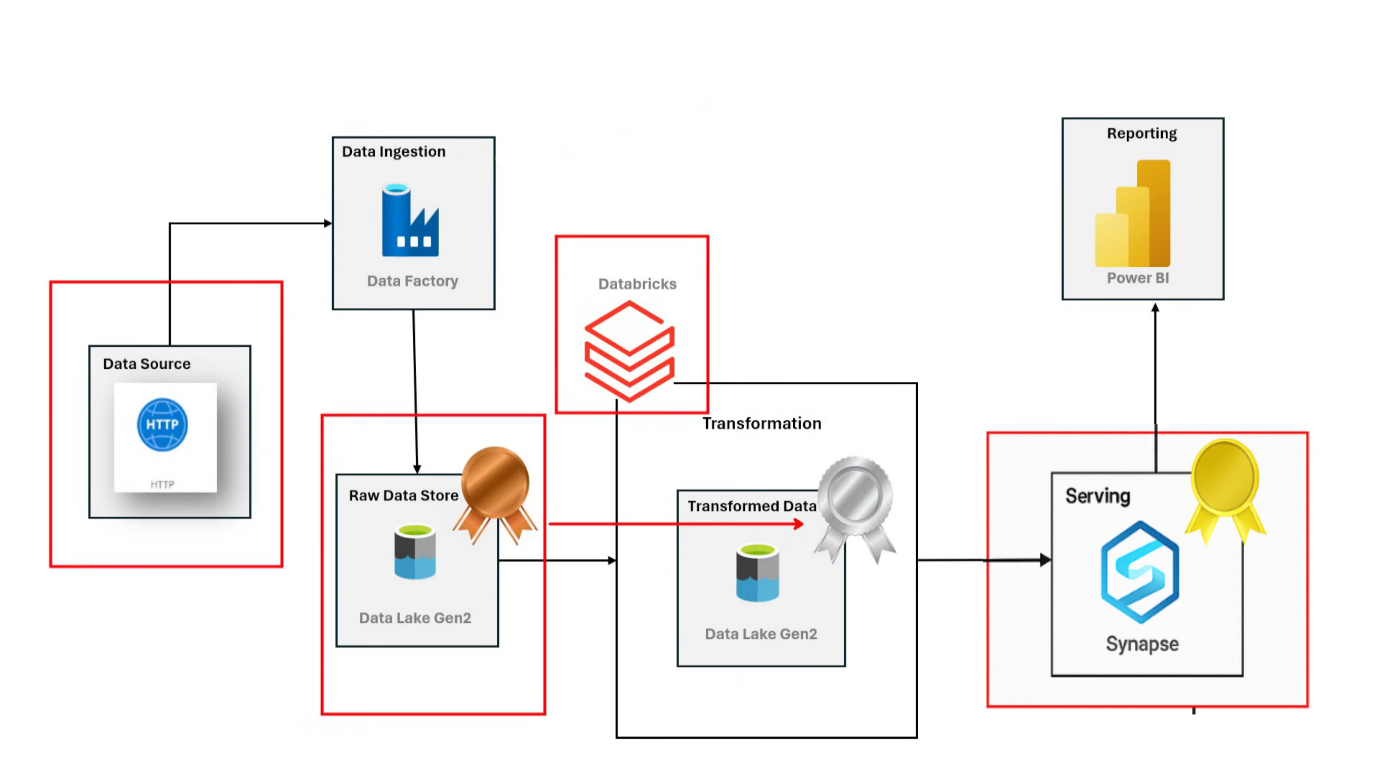
**Azure End-To-End Data Engineering Project (From Scratch!)**

**Architecture**

****

**Created an resource group and Datalake in storage account.**

**A screenshot of a computer

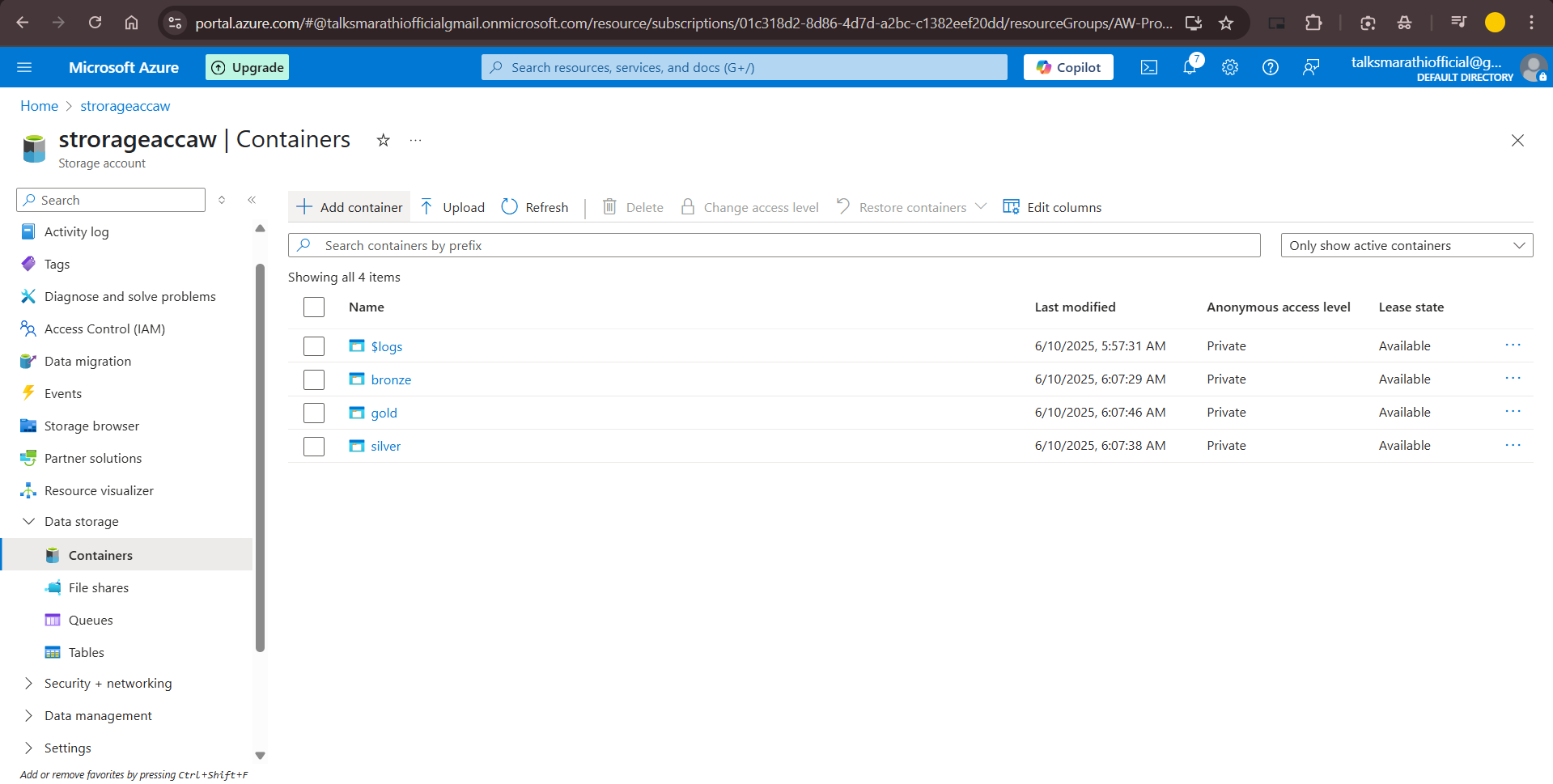
AI-generated content may be incorrect.**

**Created azure datafactory for aw project.**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Created three containers in Data lake storing data.**

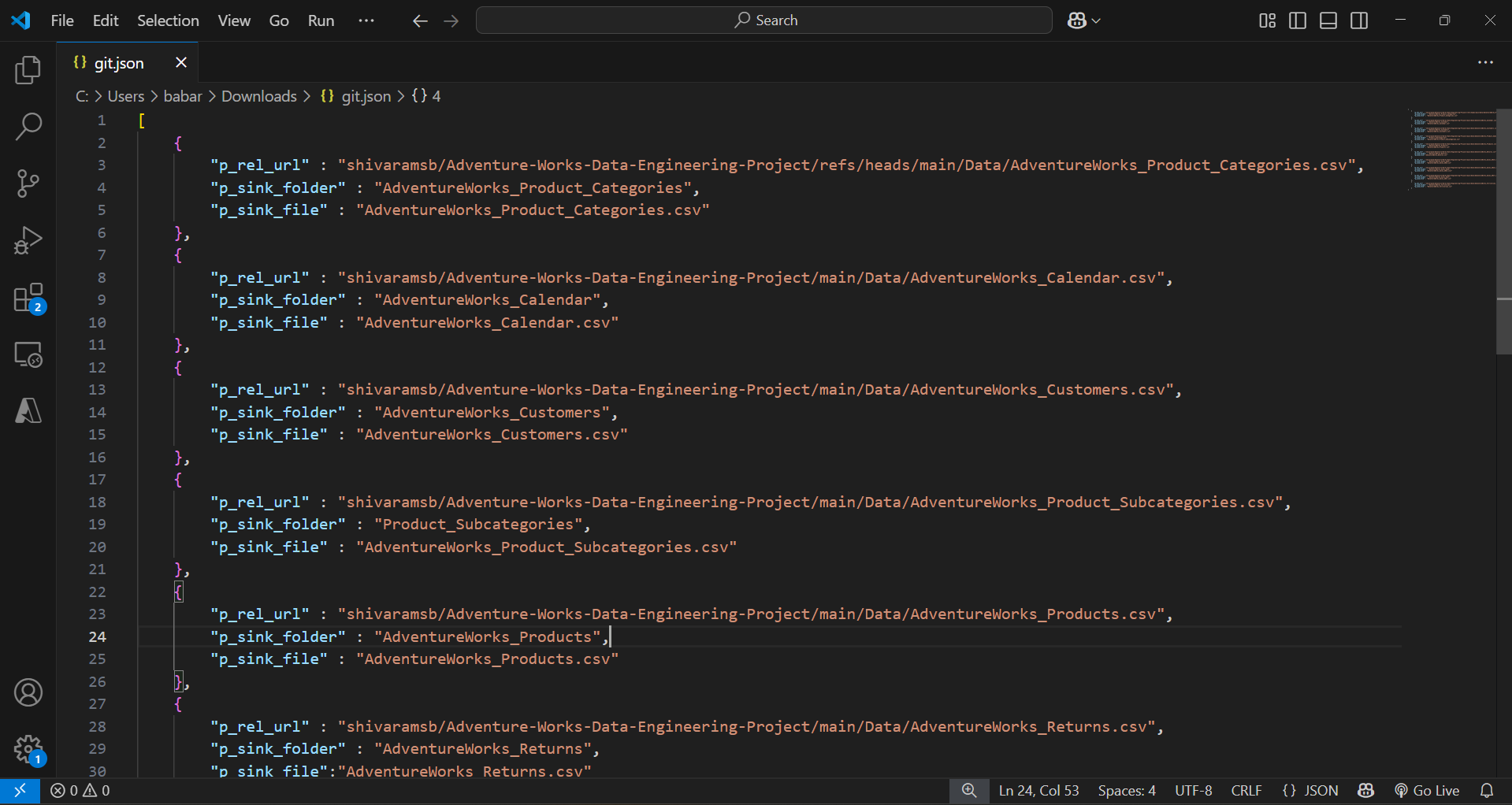


Created a static pipeline for Getting data from Github to Data Lake.

A computer screen shot of a computer

AI-generated content may be incorrect.

**Created a json file for parameters.**

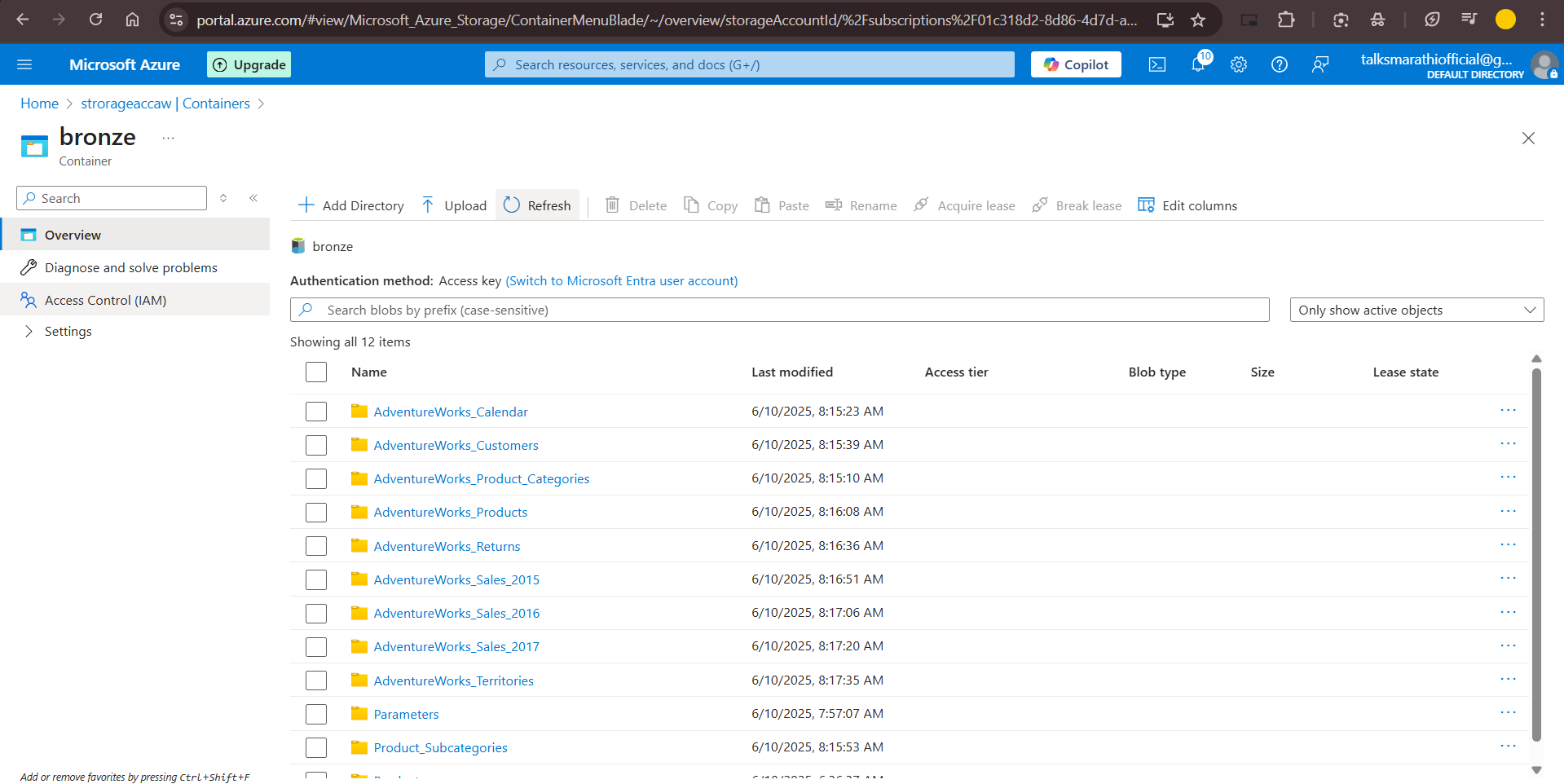
****

**Created a dynamic pipeline for copy all files from source folder and copy in Data lake in each folder and file.**

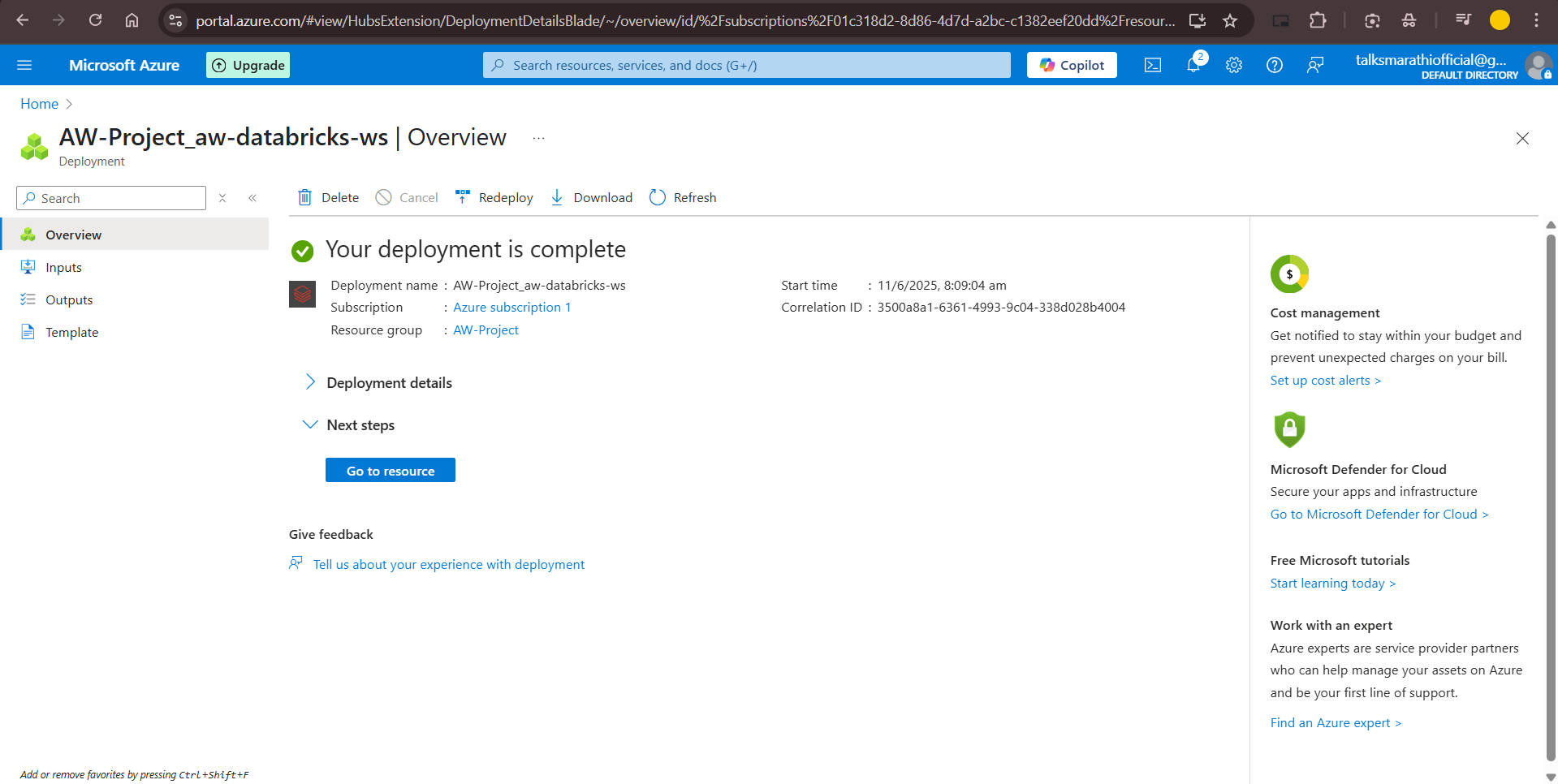
**A screenshot of a computer

AI-generated content may be incorrect.**

Copied data in bronze layer data lake.



Created a Azure Databricks (aw-databricks-ws) Workspace.



Service Level Application : Created an app registration, secrets and added role assignment for Blob Data Contributor.

A screenshot of a computer

AI-generated content may be incorrect.

Created an Databricks compute cluster for sparks jobs.

A screenshot of a computer

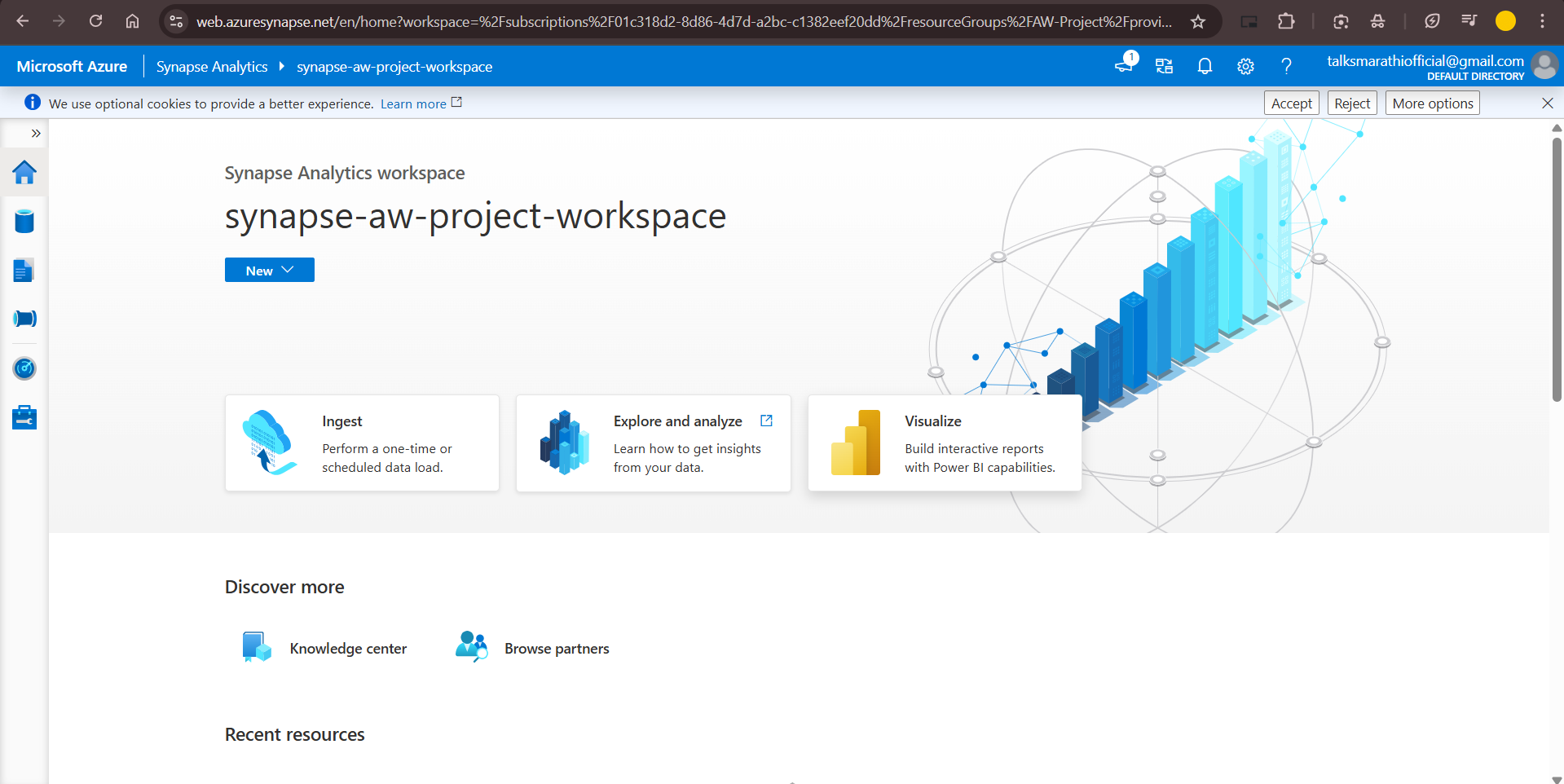
AI-generated content may be incorrect.

Created Databricks workspace and created a notebook for silver layer transformation.

A screenshot of a computer

AI-generated content may be incorrect.

Created Synapse Workspace and attached assignment role of data lake.



Created an SQL database in Synapse and created view for all data stored in silver layer.

A computer screen shot of a computer

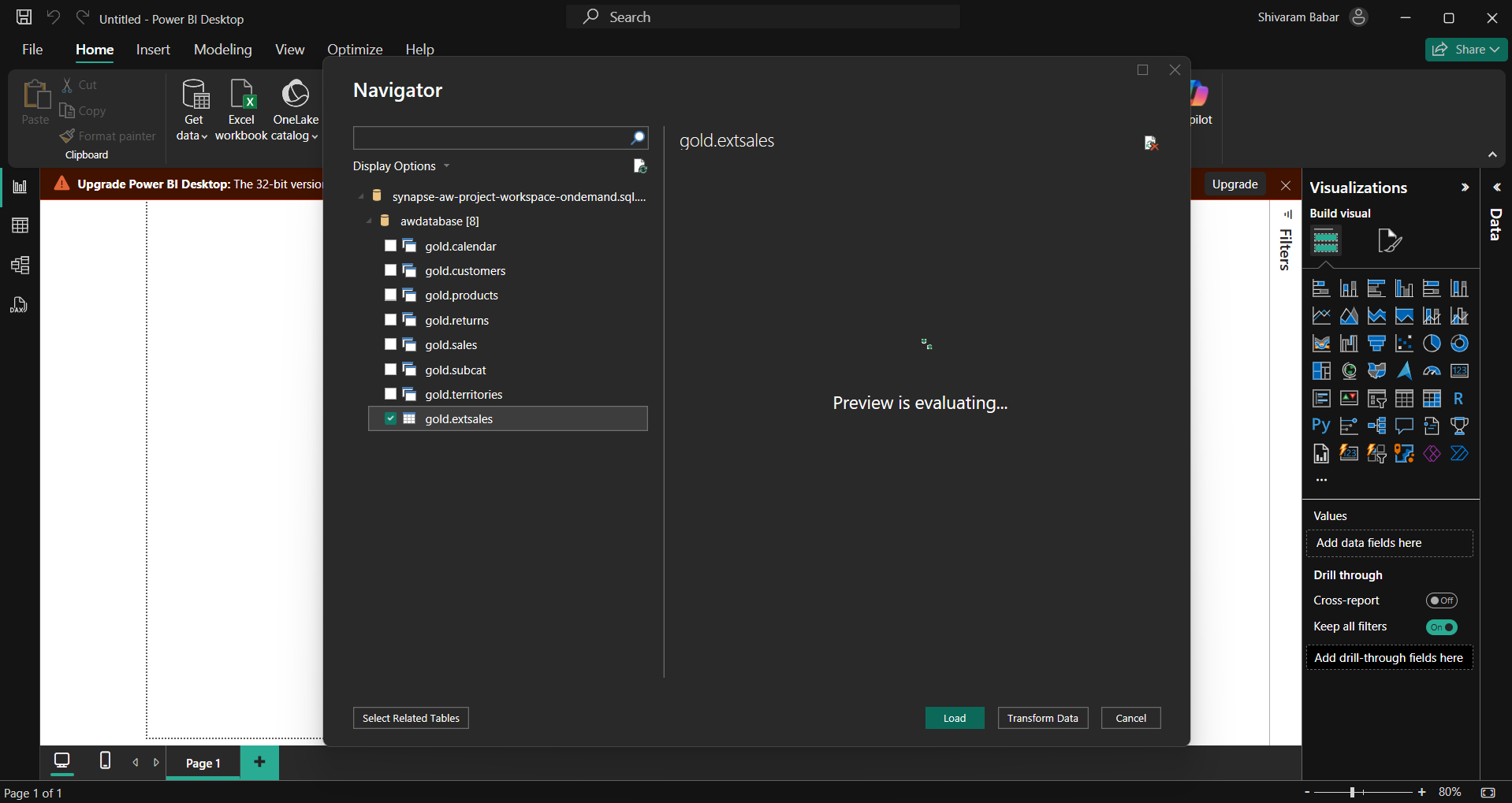
AI-generated content may be incorrect.

On the top of sales view created an External Table and this table stored in Gold layer.

A computer screen shot of a computer

AI-generated content may be incorrect.

Connected Powerbi desktop to the Azure synapse sql



Created a powerbi dashboard

A screenshot of a computer

AI-generated content may be incorrect.