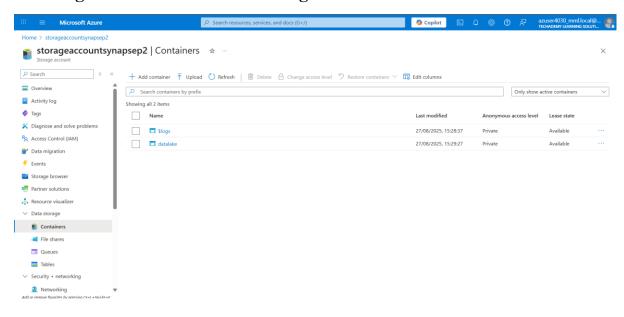
CODING CHALLENGE (AZURE DEVOPS)

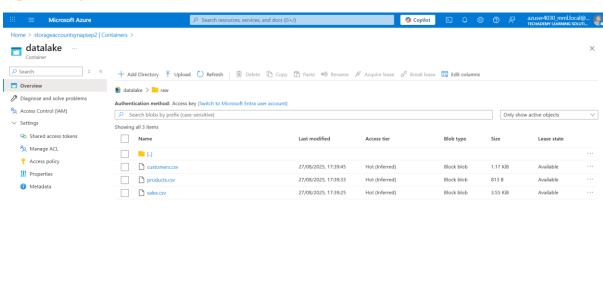
TRAINEE NAME: Swathi Baskaran

Creating a container in Azure Storage Account to store data

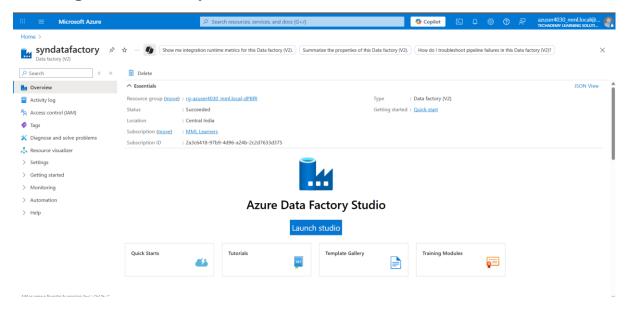


Uploading the csv files into the container

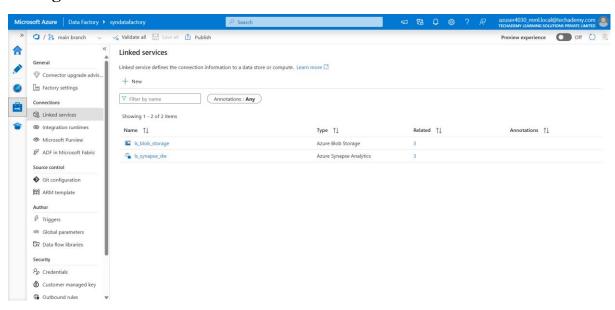
Add or remove favorites by pressing Ctrl+Shlft+F



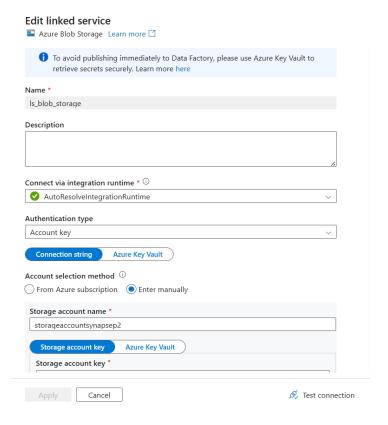
Creating a Data Factory Studio



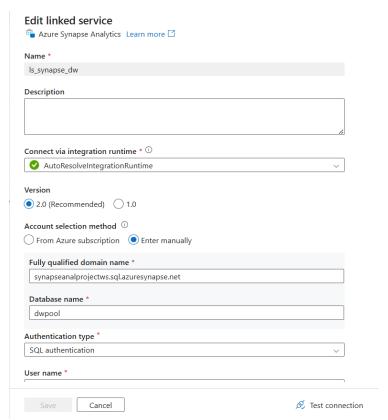
Creating Linked Services for both Azure Synapse Analytics and Azure Blob Storage



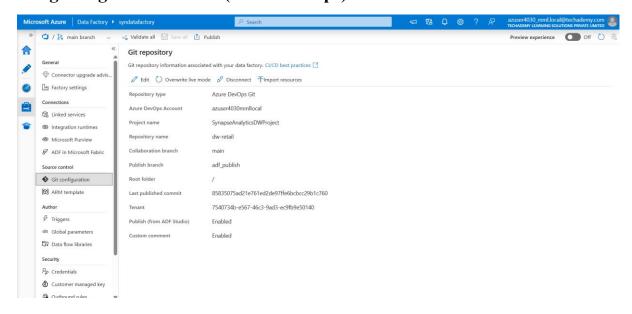
Azure Blob Storage



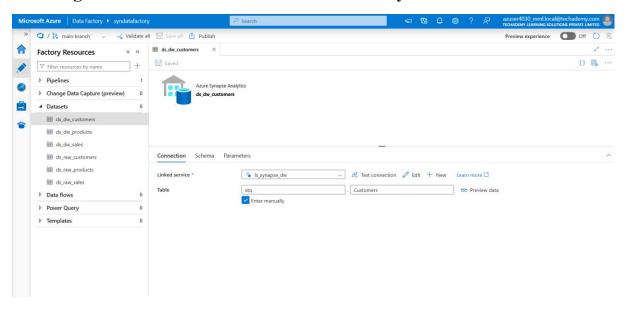
Azure Synapse Analytics



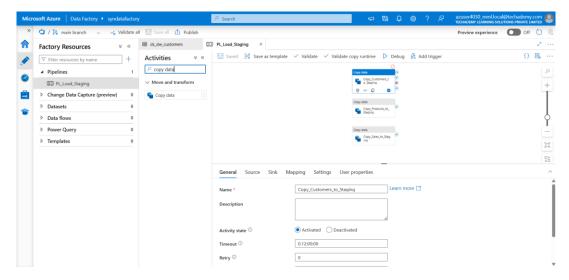
Integrating ADF with Git (Azure Devops)



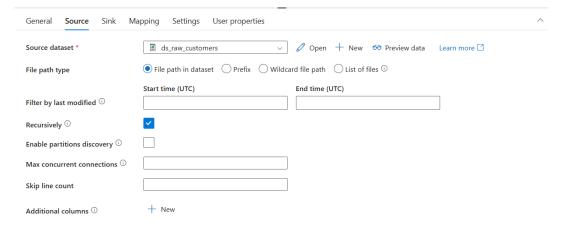
Creating relevant Datasets in Azure Data Factory



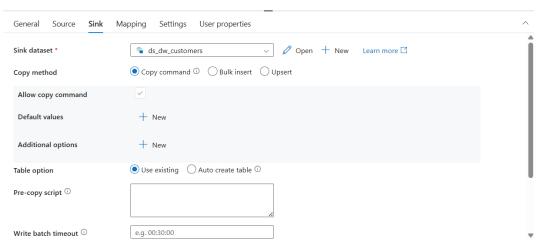
Creating a pipeline by using copy activity



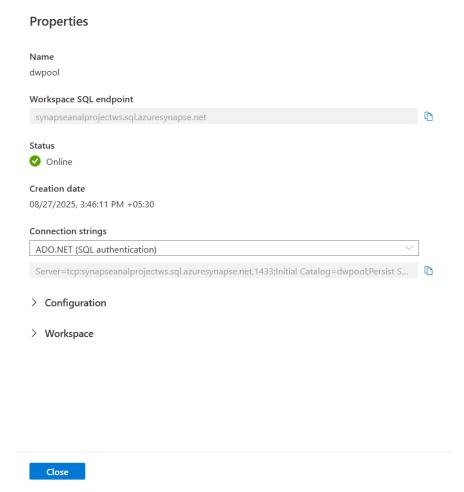
Setting the source for the Copy Activity



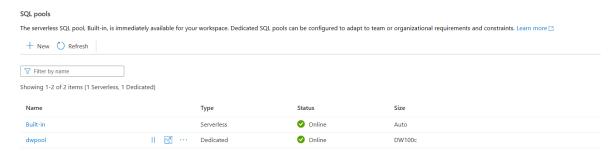
Setting the sink for the Copy Activity



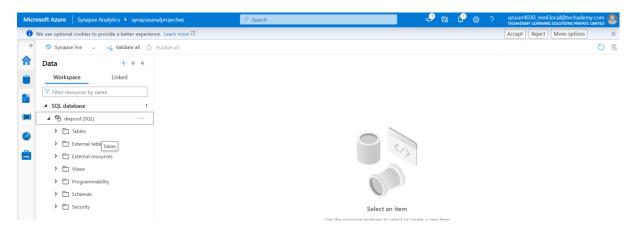
Creating a sql Pool in Azure Synapse Analytics



The SQL pool is running



Connect it to the data



Creating tables

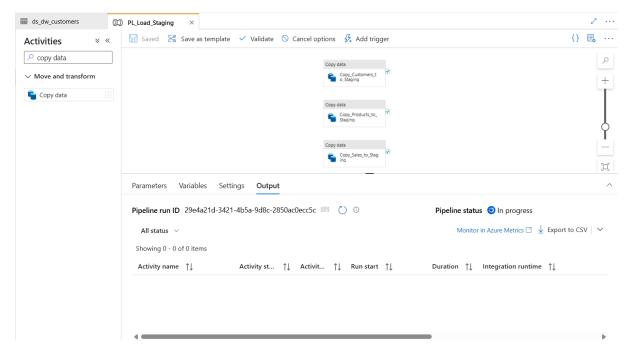
```
1 Other users in your workspace may have access to modify this item. Do not use this iten may have access to the workspace.
                                                                                     Creating_Fact_Tables ×
Creating ETL Log
    -- 01. Drop FactSales if it already exists
                        DROP TABLE dw.FactSales;

60
                         IF OBJECT_ID('dw.FactSales') IS NOT NULL
                         -- 02. Create FactSales table
       11
                         CREATE TABLE dw.FactSales
                                                                             INT
                                        SaleID
                                                                                                                                NOT NULL,
                                        SaleDate DATETIME2 NOT NULL,
       14
                                        CustomerSK INT
                                                                                                                                 NOT NULL,
        16
                                        ProductSK INT
                                                                                                                                 NOT NULL,
                                        Quantity
                                                                                                                                 NOT NULL,
                                        UnitPrice DECIMAL(18,2) NOT NULL,

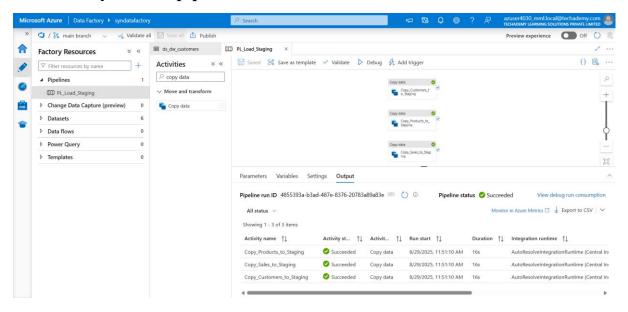
Amount DECIMAL(18,2) NOT NULL,

LoadDate DATETIME2 NULL -- no default, we set explicitly
        19
       21
                        )
WITH
       22
                                        DISTRIBUTION = HASH(SaleID),
       24
                                        CLUSTERED COLUMNSTORE INDEX
       27
                          GO
      P Run " Undo | V \( \text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\}$}$}}$}\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\
                         TRUNCATE TABLE staging.Sales;
                         CREATE TABLE staging.Sales
                                  Item_Identifier NVARCHAR(50),
Item_Weight FLOAT,
Item_Seight FLOAT,
Item_Seight FLOAT,
Item_Seight FLOAT,
Item_Seight FLOAT,
Item_Seight FLOAT,
Outlet_Identifier NVARCHAR(50),
Outlet_Establishment_Year_INT,
Outlet_Identifier NVARCHAR(50),
Outlet_Location_Type_INVARCHAR(50),
Outlet_Location_Type_INVARCHAR(50),
Outlet_Uocation_Type_INVARCHAR(50),
Outlet_Type_NVARCHAR(50),
Item_Outlet_Sales_FLOAT
                        SELECT TOP 100 *
FROM staging.Sales;
```

Running the Pipeline in Azure Data Factory



Successfully ran the pipeline



Running the relevant SQL queries to validate the pipeline execution

