P3: Team 4

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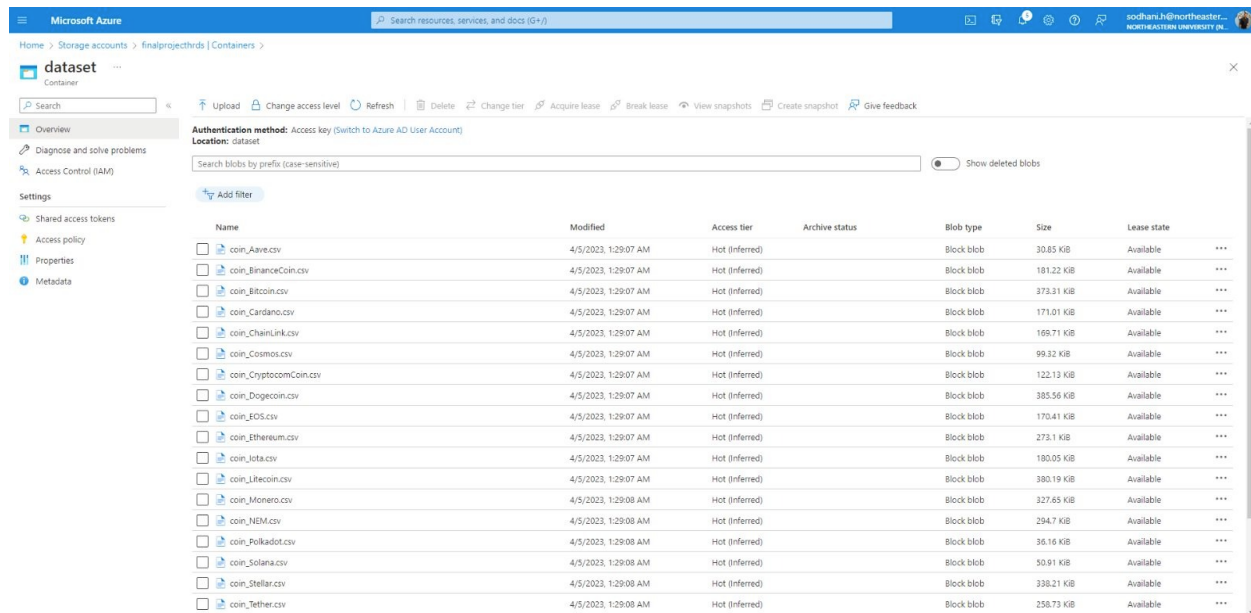
Topic: Cryptocurrency Price Prediction
Data Model: Document (NewSQL)
Target Platform: Azure SQL Multi-Model

Tools used: Azure Blob Storage, Azure Data Factory, Azure SQL Server

The steps we followed to load data from Azure Blob Storage to Azure SQL Server using Azure Data Factory:
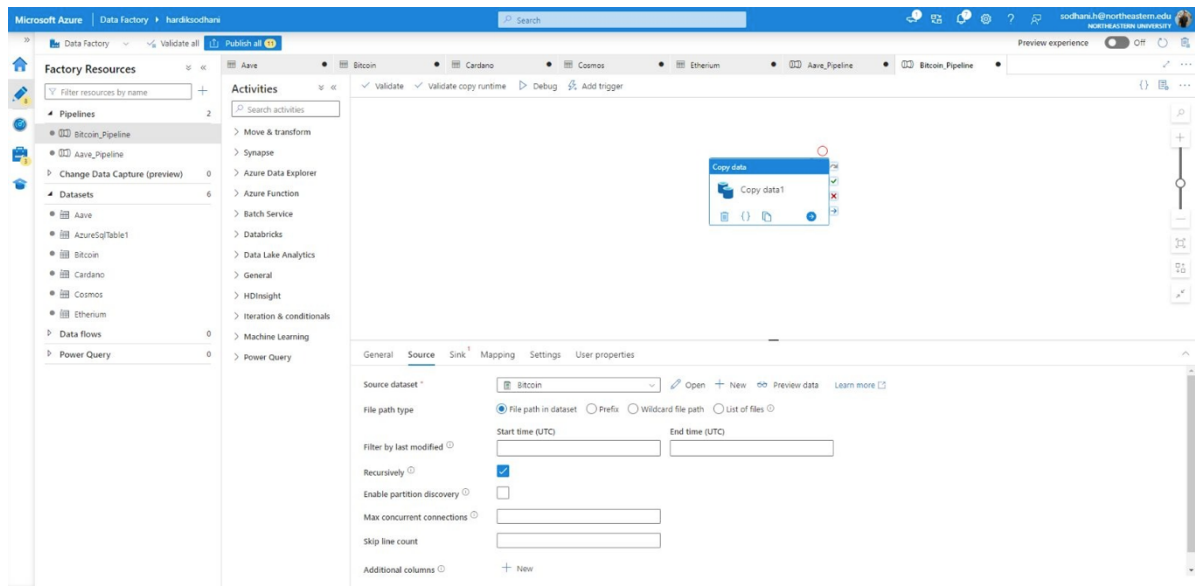
1. Created an Azure Blob Storage account and uploaded our data to the account in csv. format.
2. Navigated to the Azure portal and created a new Azure SQL Database and server.
3. Created a Linked Service in Azure Data Factory
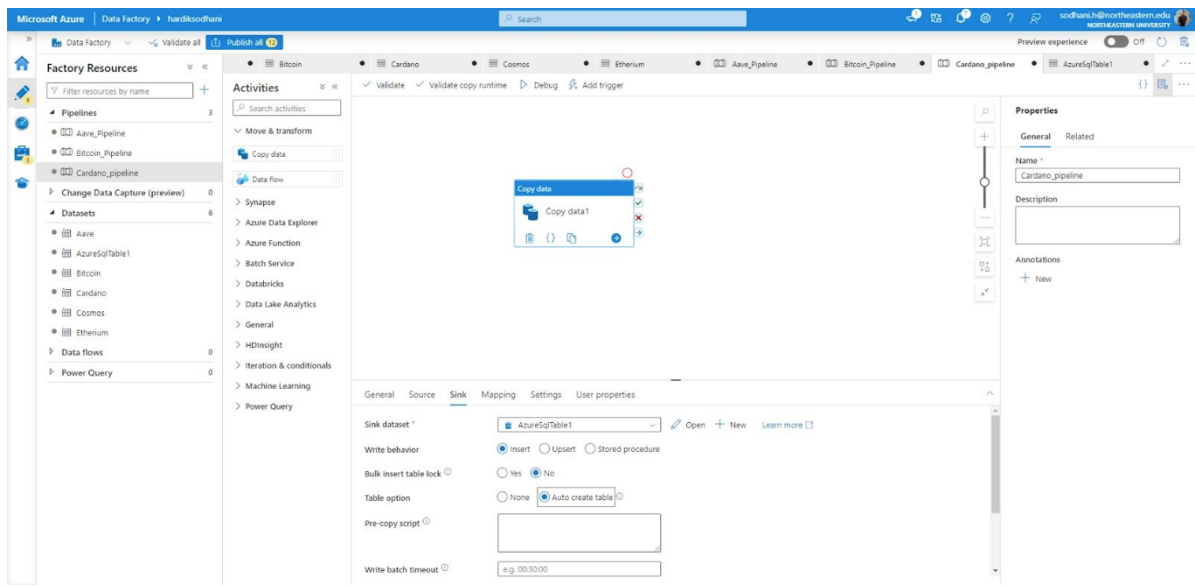4. Created a Dataset in Azure Data Factory

5. Created a Pipeline in Azure Data Factory.
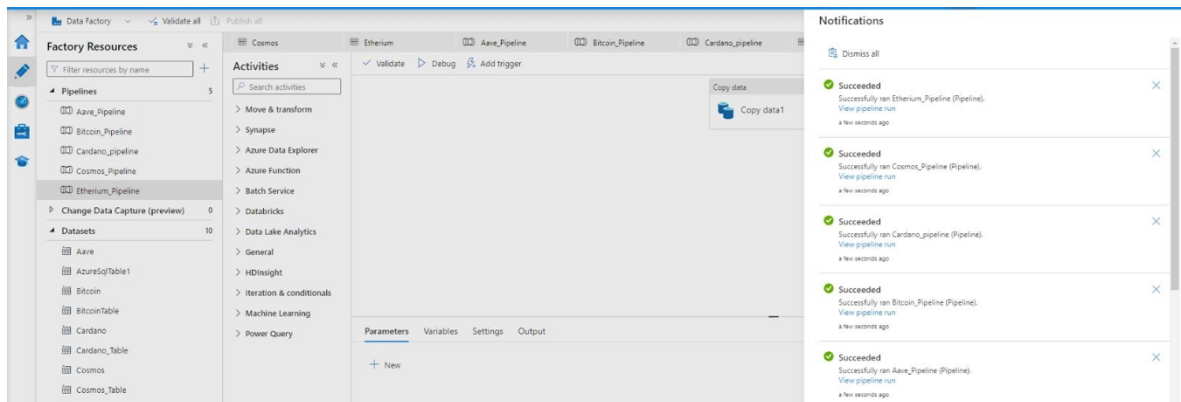6. Added a "Copy Data" activity to the Pipeline.

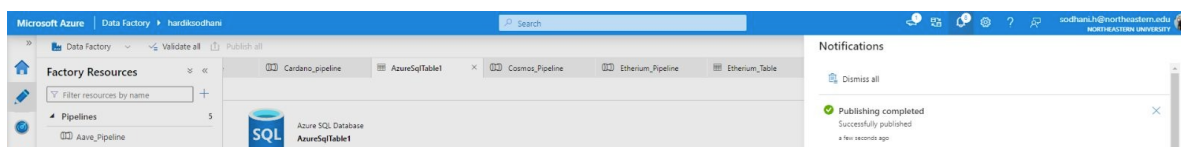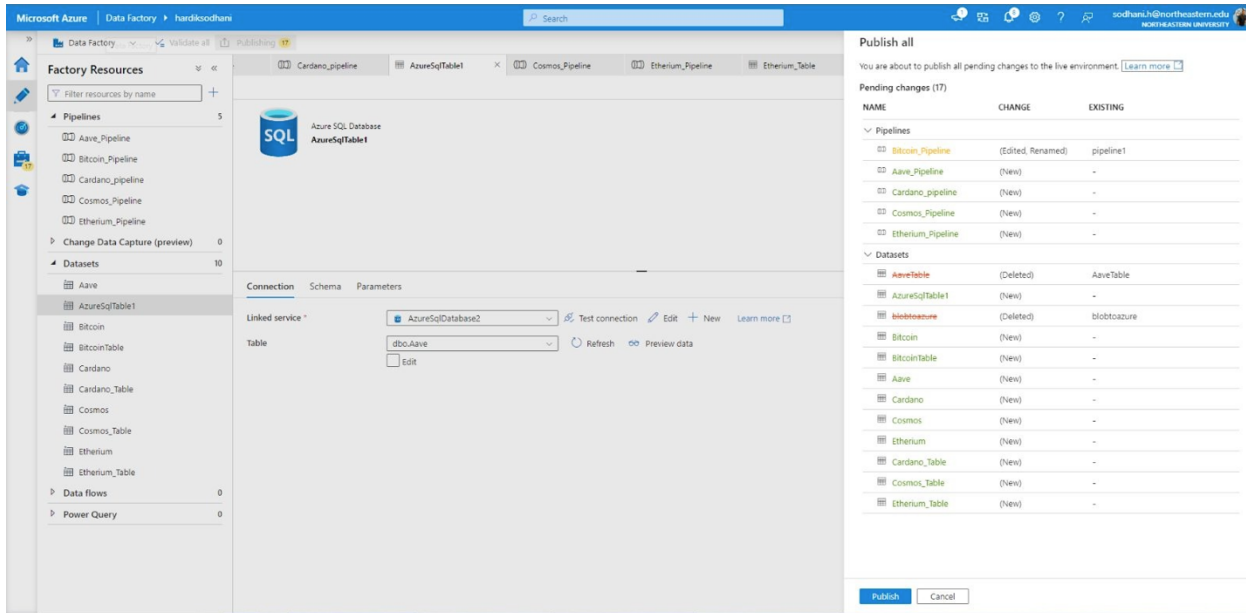7. Set the sink to the Azure SQL Database we created.
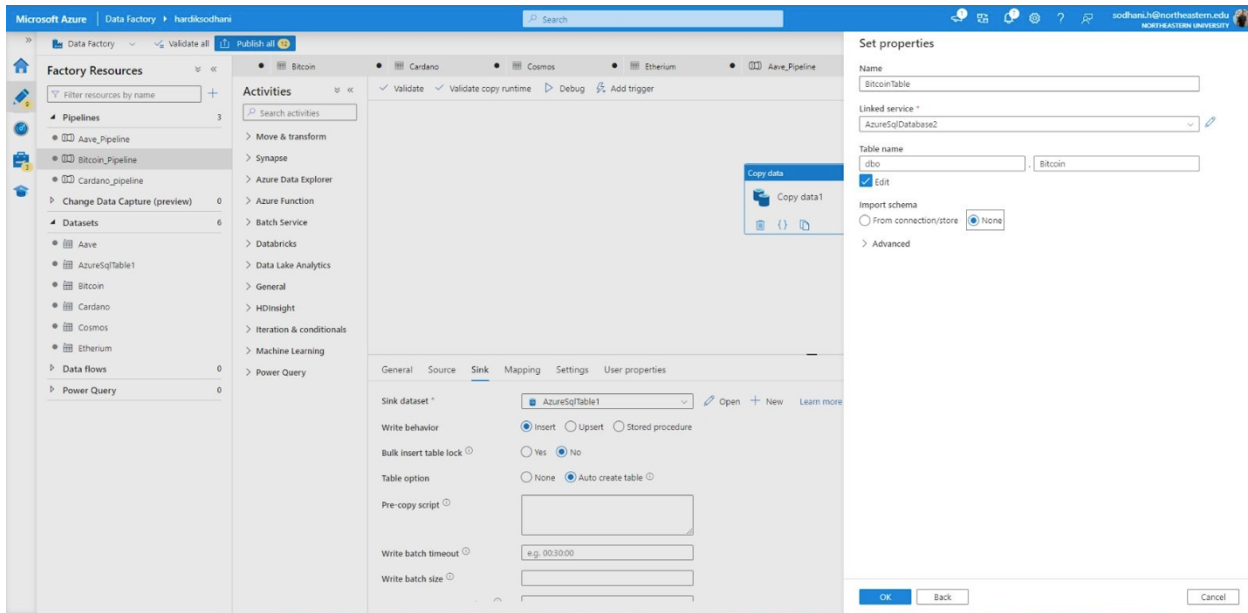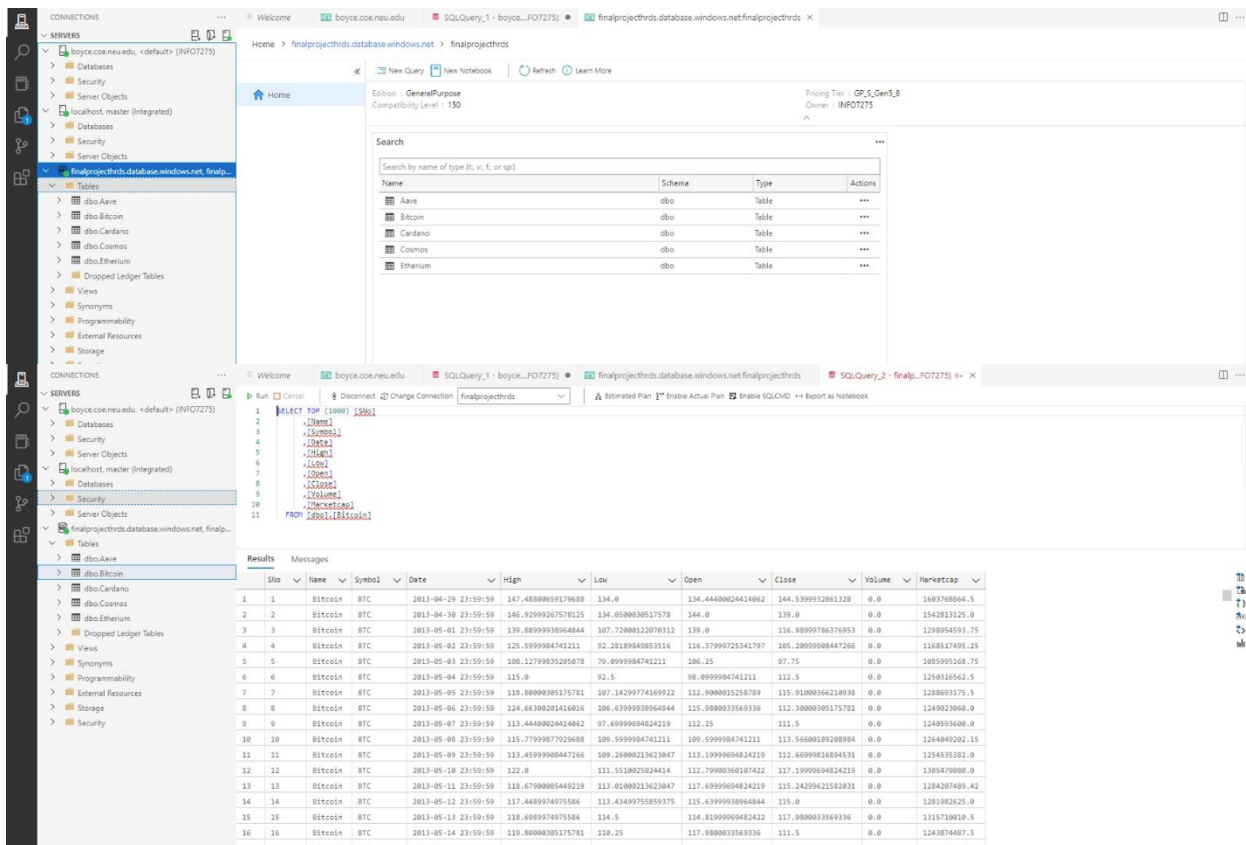
8. Triggered the pipeline.

9. We then published the data to Azure SQL Database.

10. The data was successfully imported from Azure Blob Storage to Azure SQL Server.

11. The tables that we uploaded, were visible on the Azure SQL Server.

- finalprojecthrds.database.windows.net, finalp...
  - Tables
    - dbo.Aave
      - Columns
        - SNo (nvarchar(max), null)
        - Name (nvarchar(max), null)
        - Symbol (nvarchar(max), null)
        - Date (nvarchar(max), null)
        - High (nvarchar(max), null)
        - Low (nvarchar(max), null)
        - Open (nvarchar(max), null)
        - Close (nvarchar(max), null)
        - Volume (nvarchar(max), null)
        - Marketcap (nvarchar(max), null)
      - Keys
      - Constraints
      - Triggers
      - Indexes
      - Statistics
    - dbo.Bitcoin
      - Columns
        - SNo (nvarchar(max), null)
        - Name (nvarchar(max), null)
        - Symbol (nvarchar(max), null)
        - Date (nvarchar(max), null)
        - High (nvarchar(max), null)
        - Low (nvarchar(max), null)
        - Open (nvarchar(max), null)
        - Close (nvarchar(max), null)
        - Volume (nvarchar(max), null)
        - Marketcap (nvarchar(max), null)