Health care Project Flow

This project demonstrates the complete end to end azure data engineering of healthcare management.this shows how data is ingested,how it transformed using azure technologies.

Tools :

* Azure data factory for ETL
* Azure data bricks for pyspark for data transformation
* Azure data lake for storing raw data
* Power bi
* Azure synapse for data warehousing

**Data ingestion:**

We connect local sql to the azure in the first step,azure data factory,sql and adls.

**DATA Transformation:**

We are using the Bronze layer in this ,which contains raw data.

* First we using to mount data from data bricks to lake storage
* Second changing bronze to silver by cleaning or maintaining a perfect data
* Third changing from silver to gold by aggregating and optimizing

**DATA Loading:**

After transforming the data sent to the synapse for further reporting by viewing in sql queries.

**Data reporting:**

We are connecting/reporting by using the power BI where directly connected to the synapse with a graphical representation.

**Data Pipeline:**

We can test the pipelines by adding new records.