**Capstone Project**

Service Flow-

Diagram

Description automatically generated

1. Create sql instance on GCP using MySQL
2. Create an oltp schema using MySQL
3. Generate fake data using faker library
4. Insert data into created oltp schema
5. Create star schema defined in table in Big Query.
6. Build the ETL pipeline to extract data from MySQL using pandas\_gbq and Sqlalchemy then transform it into starschema table then load them into bigquery
7. Run incremental ETL to load 5000 more records and populate them into oltp
8. Perform analysis on the transfered data using BigQuery