**ETL PIPELINE PROJECT (SQL AND PYTHON)**

**WHAT THIS PROJECT IS ABOUT?**

THIS IS AN EXTRACT, TRANSFORM AND LOAD PROJECT, IN THIS PROJECT I EXTRACT DATA FROM AN EXTRENAL WEB API, THIS WEB API PROVIDES DATA ABOUT REVENUE GENERATED PER DAY BY DIFFERENT CRYPTOCURRENCY PROJECTS.

AFTER GAINING ACCESS TO THE DATA THROUGH THE API, I THEN LOAD THE DATA INTO POSTGRES SQL WHERE I TRANSFORM THE DATA USING SQL.

NEXT I CREATED A SNOWFLAKE SCHEMA RELATIONAL DATABASE WHERE I ESTABLISHED FOREIGN KEY, PRIMARY KEY RELATIONSHIP BETWEEN THE DIFFERENT TABLES, AND THEN INSERTED VALUES DATA GOTTEN FROM THE WEB API INTO THE RELATIONAL DATABASE TABLES.

AFTER INSERTING ALL VALUES WHERE NECESSARY, I EXPLORED THE DATABASE AND CAME UP WITH IMPORTANT INSIGHTS ABOUT THE DATA, WITH THESE INSIGHTS I CREATED A DASHBOARD IN EXCEL EXPLAINING SOME OF THE MOST IMPORTANT METRICS USING PIE CHARTS AND BAR CHARTS.