YouTube Data Harvesting and Warehousing

This project aims to develop a user-friendly Streamlit application that utilizes the Google API to information on a YouTube channel, stores it in a MongoDB database, migrates it to a SQL data w enables users to search for channel details and join tables to view data in the Streamlit app.

Channel Data

Enter the channel ID

UC6mIxFTvXkWQVEHPsEdflzQ

Collect and Store data

Enter the **Correct_Channel_id**

Data Migrate zone

Select a channel

GreatScott!

Migrate to SQL

Available Channel data in SQL

☑ Available Channel

	Channel_Name
0	GreatScott!
1	Think School Tamil
2	Integza

Channels Analysis

Select Your Question

10. Which videos have the highest number of comments, and what are their corresponding channel names?

	Video_Name	Comments_Count	Channel_Name
0	Aerospike Rocket Engine (3D Printed)	13,124	Integza
1	Compressed Air Triangular Engine - Wankel Rotary (3D Prin	10,750	Integza
2	Aerospike Hybrid Rocket Engine (3D printed)	10,665	Integza
3	I built an IONIC PLASMA THRUSTER (Best Design)	8,719	Integza
4	I turned my Fan into a Jet Engine (3D Printed EDF Afterburn	8,399	Integza
5	TurboJet Engine (3D Printed)	8,263	Integza
6	TurboCharged PulseJet Engine (3D Printed)	7,803	Integza
7	Vortex Cooled Ceramic Rocket Engine (3D Printed)	7,790	Integza
8	I built an Electric Jet Engine from scratch	7,775	Integza
9	Vortex Rocket V2.0 (3D Printed)	7,663	Integza