**Project title: Transforming YouTube video transcripts into Detailed notes with AI**

**Objective:** The primary goal of this project is to leverage the power of AI to ***automate the process of generating detailed notes from YouTube transcripts.***

**Tech stack used:**

1. **youtube-transcript-api:** It allows us to get the transcripts/subtitles for a video. It also works for automatically generated subtitles, supports translating subtitles and it does not require a headless browser, like other selenium-based solutions do!
2. **google-generativeai:** As we must require a model from - To summarize.
3. **streamlit:** friendly UI

**Workflow:**

YouTube video link -----> extract the transcript text (YouTubeTranscriptApi

) -------> model (prompt + transcript\_text) -----> result (250 words).

**Uses:**

1. **Improved Learning:** Converts video content into structured, easily digestible notes, which can help in studying and review.
2. **Time Efficiency:** Reduces the need for manual note-taking, saving time for users who need to extract information from multiple videos.
3. **Enhanced Productivity:** As it converts video content into organized notes, helping professionals and students stay organized and focused on relevant information.

**Result:**

**A screenshot of a computer

Description automatically generated**