SnapSeek

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A Paradigm Shift

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The Team!

Why we have the team we have, and what makes it special...

Inspiration!

- ⬡ YouTube (largest video streaming platform) videos, especially educational videos by channels like NPTEL, MIT OCW, Stanford Online are vast
- ⬡ Product review videos are in excess on YouTube, and finding the only piece of information you are looking for

Needle in a Haystack!

Problem Identified!

- Reduce time involved in finding the right piece of information - the pièce de résistance
- Quicken decision making, with more meaningful data

The Solution

Tackling two primary issues

Time & Decision Making:

1. Query-based search of Videos for keywords
   a. Educational videos
   b. Online tutorials
   c. Match Highlights (Goals, etc.)
   d. News Headlines
2. Entity-based Sentiment Analysis
   a. Product reviews
   b. Comparison Videos

The Solution

Continued.

YouTube is our primary target, thus:

Google Chrome Extension

An API driven, easily accessible with the click of a button, lightweight (<1MB) extension with intuitive modern UI!
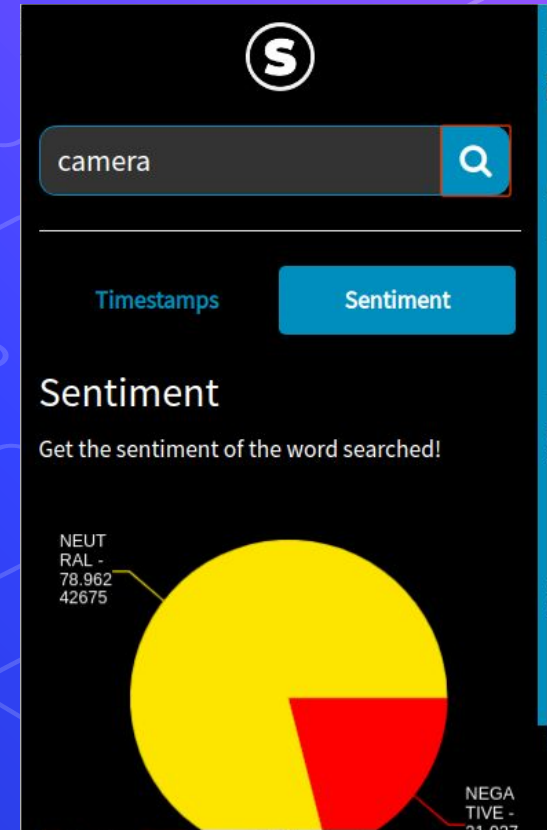
Features Part 1

- ⬡ **Keyword based search of YouTube videos**
- ⬡ **Directly jump to that point in the video that interests you**
- ⬡ Entity-based sentiment analysis (again based on keyword query)
- ⬡ Graphical representation of Sentiment Score

Features Part 2

- ⬡ Keyword based search of YouTube videos
- ⬡ Directly jump to that point in the video that interests you
- ⬡ **Entity-based sentiment analysis (again based on keyword query)**
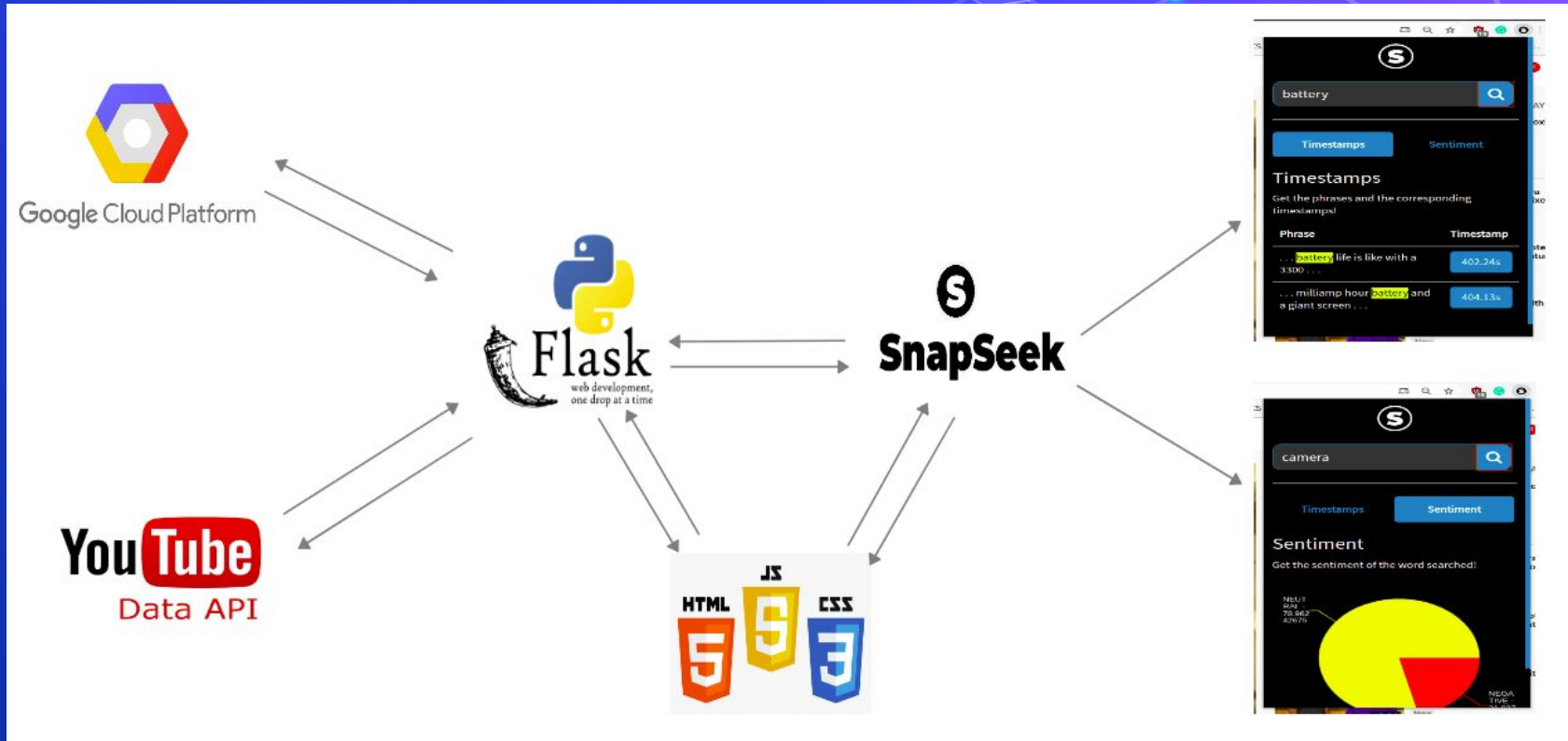- ⬡ **Graphical representation of Sentiment Score**

Technology Stack

Backend:

- **Python and Flask**
  - API calls and data/text processing
- **NLP APIs**
  - Sentiment Analysis
- **YouTube PyPi OpenSource APIs**
  - Audio processing - CCs
- **JavaScript**
  - Linking FrontEnd and Server

FrontEnd:

- **HTML and CSS**
  - Building forms and stylesheets
- **Bootstrap**
  - Clean modern design

Technology Stack - Flowchart

Road Ahead

Addition of text summarisation to give the user the gist in a few seconds

Thank You!

We would love to answer your questions...