



SnapSeek

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PARSEC

A Paradigm Shift

14th - 16th Feb, 2020

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

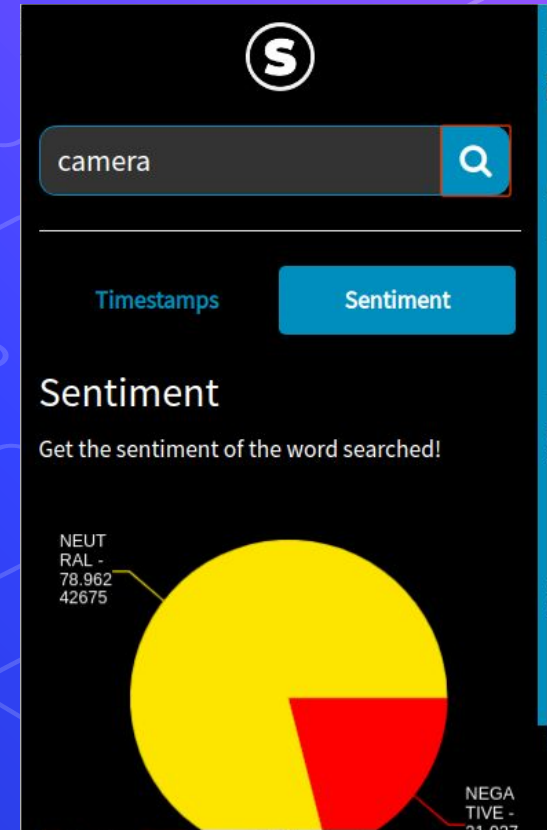
- ⬡ **Keyword based search of YouTube videos**
- ⬡ **Directly jump to that point in the video that interests you**
- ⬡ Entity-based sentiment analysis (again based on keyword query)
- ⬡ Graphical representation of Sentiment Score

The screenshot shows a web application interface with a dark theme. At the top, there is a search bar containing the text "battery" and a magnifying glass icon. Below the search bar, there are two buttons: "Timestamps" (highlighted in blue) and "Sentiment". The "Timestamps" section is active, displaying a table of results. The table has two columns: "Phrase" and "Timestamp". The first row shows the phrase "... battery life is like with a 3300 ..." and a timestamp of 402.24s. The second row shows the phrase "... milliamp hour battery and a giant screen ..." and a timestamp of 404.13s. The word "battery" is highlighted in yellow in both phrases.

Phrase	Timestamp
... battery life is like with a 3300 ...	402.24s
... milliamp hour battery and a giant screen ...	404.13s

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

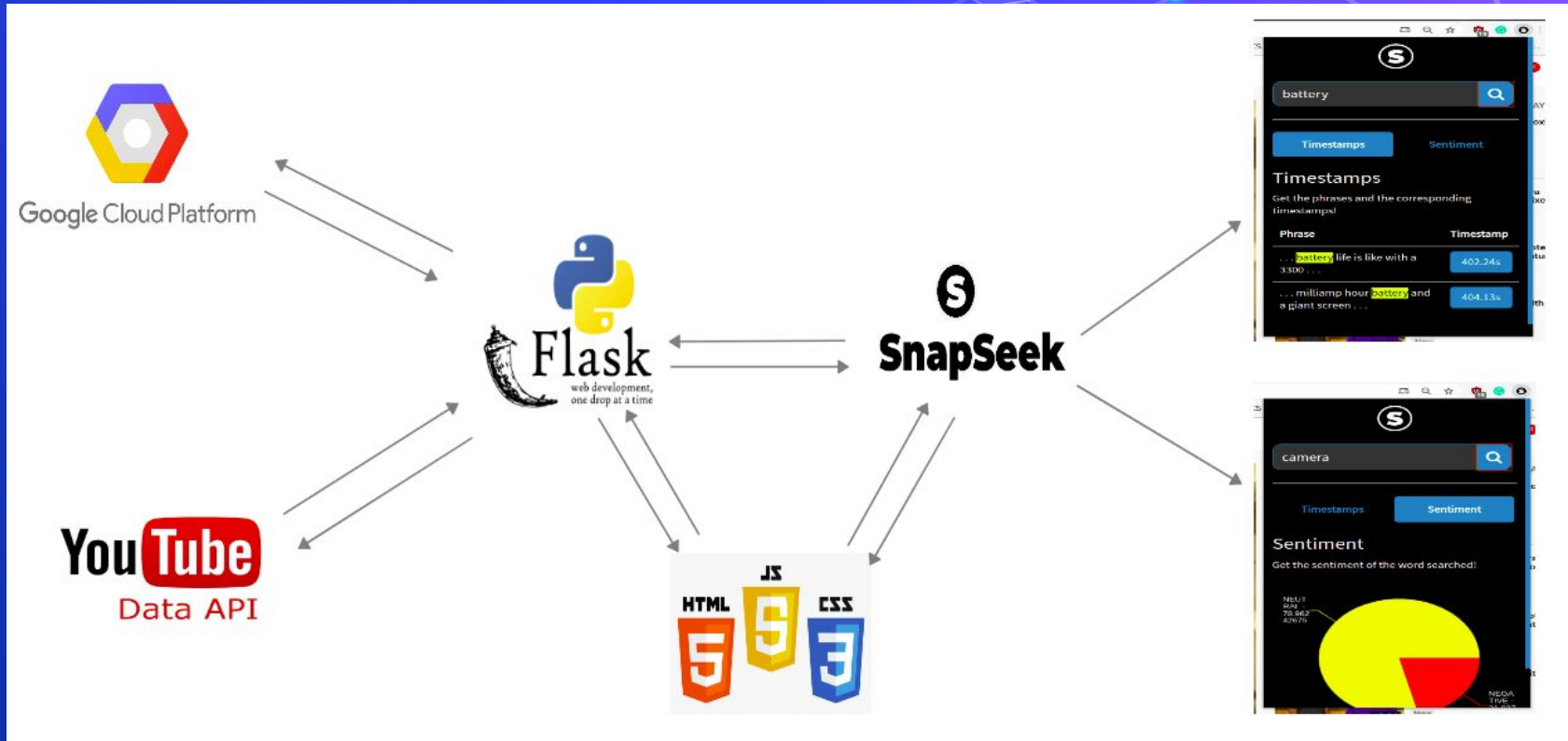
Backend:

- 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...