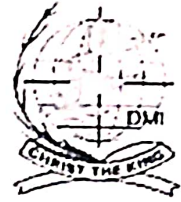




**YOUTUBE TRANSCRIPT
SUMMARIZER**



A PROJECT REPORT

Submitted by

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in partial fulfilment for the award of the degree

of

**BACHELOR OF ENGINEERING
IN**

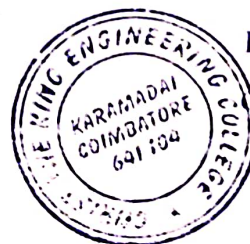
COMPUTER SCIENCE AND ENGINEERING

CHRIST THE KING ENGINEERING COLLEGE

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MAY- 2023

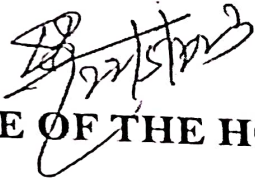


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Submitted for the project viva voice held on 22/05/2023.



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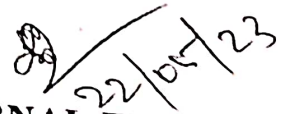
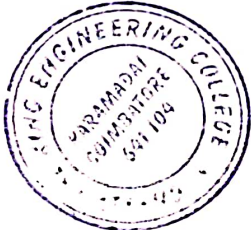
SIGNATURE OF THE GUIDE

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EXTERNAL EXAMINER

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ABSTRACT

We spend a noticeable amount of our weekly time watching YouTube videos, be it for entertainment, education, or exploring our interests. In most cases, the overall intent is to obtain some form of information from the video. We were seeking a solution to increase the efficiency of this "information extraction" process as YouTube's speed adjustment option is the only relevant tool. The summarizer is a Chrome extension that works with YouTube to extract the key points of a video and make them accessible to the user. The summary is customizable per user's request, allowing varying extents of summarization. Key points from the summarization process, together with corresponding time-stamps, are then presented to the user through a small UI next to the video feed. This allows the user to navigate to more important sections of the video, to get to the key points more efficiently. The main idea behind it is to be able to find a short subset of the most essential information from the entire set and present it in a human-readable format. As online Textual data grows, automatic Summarization of text methods has the potential to become very helpful because more useful information can be read in a short time. Summarization of the video is done by the Python API and NLP (Natural Language Processing). An API, or Application Programming Interface, is a server you can use to receive and send data using code. APIs are widely used to retrieve data, and that will be the focus of this first study. When we want to receive data from an API, we need to make a request. Applications are used across the web.



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CHAPTER – 8

8.CONCLUSION


In this paper, we propose two different methods to generate summary and important keywords from the given YouTube video-extractive and abstractive. We have made a simple interface through which users can easily get their summaries through this method, and surely find it easy to interact with our user interface and get what they want. We are sure that our project will surely satisfy the user's and solve all the problems that it's supposed to tackle which is saving time and efforts, by providing only the useful information about the topic which interests them so that they don't have to watch those long videos and the time that is saved can be used in gaining more knowledge. The increase in popularity of video content on the internet requires an efficient way of representing or managing the video. This can be done by representing the videos on the basis of their summary.

Learning how to set up web services using API, create Google Chrome extensions and implement the Cloud Computing. In addition, we used HTML and CSS to develop Web- Apps and write software packages in python.

We need to follow time management and fully grasp the difficulties which may occur and when to change the course of the project based to use our time more efficiently.

It is important to understand connections between different technology and to account for possible bugs when incorporating different software packages into the corpus of a final software product.




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