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## PROJECT ABSTRACT

*On*

# MULTIMEDIA SEARCH ENGINE

**BACHELOR OF TECHNOLOGY**

*in*

**COMPUTER SCIENCE & ENGINEERING (ARTIFICIAL INTELLIGENCE)**

**Submitted by**


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# ABSTRACT

The "**Multi Search Engine**" project is a versatile application designed to enhance information retrieval by integrating multiple search functionalities into a single platform. This tool allows users to perform simultaneous searches across various sources, including **Wikipedia**, **Google**, **YouTube**, and **News** outlets, facilitating a comprehensive exploration of topics.

Utilizing advanced technologies such as speech recognition, the application enables voice-activated queries, improving accessibility and user experience. A key feature of the project is the ability to generate concise Wikipedia summaries, tailored to user preferences, along with text-to-speech functionality that converts these summaries into audible formats.

The application also employs the Google Custom Search API to provide relevant web results and utilizes the YouTube Data API to retrieve and display video content, enhancing the multimedia experience for users. Additionally, it incorporates a news search feature that allows users to filter articles by date, ensuring access to the latest information.

By leveraging Python libraries such as **Streamlit** for the user interface, gTTS for text-to-speech capabilities, and ReportLab for PDF generation, the "Multi Search Engine" not only streamlines the search process but also provides features such as saving chat history as a PDF document. This project aims to create an intuitive and efficient platform for users to obtain diverse information quickly, ultimately promoting informed decision-making and knowledge acquisition.

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