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Conversational Agent with Retrieval-Augmented Generation

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Abstract

Develop a conversational agent that enhances the quality and accuracy of its responses by dynamically retrieving and integrating relevant external documents from the web. Unlike traditional chatbots that rely solely on pre-trained knowledge, this system will perform real-time information retrieval, ensuring up-to-date answers. Potential applications include customer support, academic research assistance, and general knowledge queries. The project will involve natural language processing (NLP), web scraping, and retrieval-augmented generation (RAG) techniques to optimize answer quality.

Keywords

Keyword1, Keyword2, Keyword3 ...

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Introduction

Methods

Results

Discussion

Acknowledgments

References