SummarAIze • Team #6
Constructive News, Better Days

As we all experience on a daily basis, modern news reading becomes a chore because of too much focus on negativity, even to the point of measurably impacting our mental health. SummarAIze solves this problem in a sophisticated way. By entering an interest, the site summarizes recent events in a positive manner and backed by reliable sources. Through this, we want to better news-reading using our combination of a Large Language Model and Retrieval Augmented Generation.
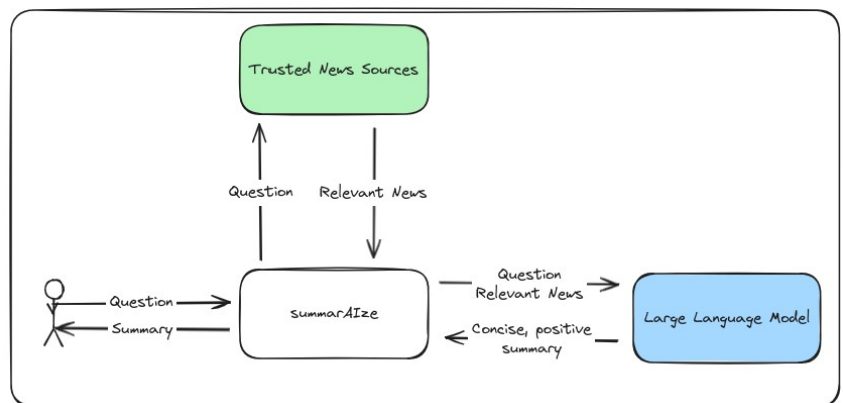
Problem statement and mission

The modern news infrastructure bears significant problems for the mental health of users due to two main factors. These two main factors are negativity and oversaturation of information (getting overwhelmed). The human brain is not used to and is not built for these types of scenarios, but users still want to get informed, maybe even in a positive way. For this, we built summarAIze. We want to create a platform to consume news in a more positive and healthy way.

Application Usage – SummarAIze

The application is as simple as possible, because it should nto be overwhelming. The user enters a question or a topic of interest and the summarAIze returns a positive and concise summary.

Application Structure – How it works and how we ensure reliability

The application uses a Large Language Model (LLM) with Retrieval Augmented Generation (RAG), which is used to integrate trusted news sources into the summary and to ensure reliability. When the user enters a question for news, summarAIze queries a database of trusted news sources and retrieves relevant news articles concerning the topic. These retrieved articles are used as a basis for a request to the Large Language Model. Based on the news articles and the uer query, the large language model generates a optimistic and positive summary of the topic, which summarAIze returns to the user.

Solved Problems

Because of the positive perspective of the LLM summary, the user gets an optimistic view of current topics and avoids a negative mental health impact. Additionally, sensitive or triggering topics can be avoided because the user chooses which information they want to retrieve. Additionally, the simple application structure summaries avoid an overwhelming situation for users.