Intelliarts

Case Study | Data Extraction Chatbot

Business challenge:

A non-governmental organization that advocates for gun control and against gun violence contacted Intelliarts to create a data extraction chatbot tailored to their needs. The NGO had an extensive knowledge base about gun safety and gun violence, which was growing dynamically, so it was becoming more difficult for the employees to browse through this vast amount of data.
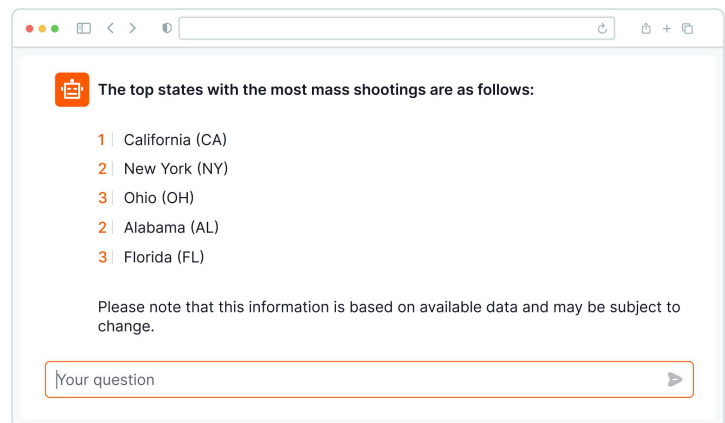
Solution:

Our machine learning (ML) team developed a chatbot using the GPT-4 model, designed to facilitate rapid data extraction through free text requests and interpret the information as expected by the user. Trained on the NGO's data, the chatbot worked exclusively with gun safety and related topics, providing references for users who wanted to verify information or delve deeper into a subject. Being customly developed for our partner, the solution suits perfectly the tasks performed in this industry and company. It even mimics the NGO's tone of voice and overall adheres to its policy.

Business value:

The information retrieval system we developed proved to be a powerful tool, significantly enhancing our partner's ability to find and interpret information efficiently. The system is fast and user-friendly, reducing the time needed for search and information analysis from hours to minutes.

The top states with the most mass shootings are as follows:

1. California (CA)
2. New York (NY)
3. Ohio (OH)
2. Alabama (AL)
3. Florida (FL)

Please note that this information is based on available data and may be subject to change.

Your question

Read the full success story about the data extraction chatbot.

Ready to strengthen your LLM performance with RAG? Get in touch with our experts to explore customized AI implementations that meet your needs.

Contact us