

cerberus-chatbot

Cerberus is a chatbot designed to provide information and answer questions related to the Universidad Nacional de Colombia. It offers a real-time, interactive experience for users seeking information about the university.

- The chatbot uses Django and Django Channels on the backend to handle real-time communication via WebSockets.
- It leverages Langchain and a language model (accessed through Ollama) to process user queries and generate relevant responses based on university-related documents.
- The React-based web application provides a user-friendly interface for interacting with the chatbot.
- The application dynamically constructs API and WebSocket URLs based on environment variables, allowing for flexible deployment configurations.
- The system is designed to be scalable and maintainable, with a clear separation of concerns between the backend and frontend components.
- The web application component is developed under the atomic design.
- The source code is available on GitHub under the **MIT license**.

Demo

video: <https://youtu.be/Eqb9mM2sfVM>

If you're interested in trying out the Cerberus Chatbot, you can access the web application by clicking on the following [link](#).

This project was developed individually.