

AI moderation of chatbot

ChatBot can be known as tool that can interact with human using artificial intelligence. These AI tools are used to perform tasks such as quickly responding to users, informing them, helping to purchase products and providing better service to customers. In this research, my focus on the working principle and the concepts of artificial intelligence based ChatBots and related concepts as well as their applications in various sectors such as telecommunication, banking, health, customer call centers, education and e-commerce. Additionally, the results of an example chabbot for donation service will be developed for education service provider and proves using the proposed architecture. An AI chatbot learns right from scratch through a process called “Deep Learning.” In this process, the chatbot is created using machine learning algorithms. A deep learning chatbot learns everything from its data and human-to-human dialogue. The chatbot is trained to develop its own consciousness on the text, voice, image and you can teach it how to converse with people. Alternatively, you can teach the chatbot through movie dialogue or play scripts. However, a human-to-human conversation is the preferred way to create the best possible deep learning chatbot. Remember, the more data you have, the better the effectiveness of machine learning will be.

My Research is about efficient AI Based chat board with more data inputs and less time processing, Minimal human interference in the use of devices is the goal of our world of technology. ChatBots can reach out to a broad audience on messaging apps and be more effective than humans are. At the same time, they may develop into a capable information-gathering tool. They provide significant savings in the operation of customer service departments. With further development of AI and machine learning, somebody may not be capable of understanding whether he talks to a chatbot or a real-life agent. I consider that this research provides useful information about the basic principles of chatbots. Users and developers can have a more precise understanding of chatbots and get the ability to use and create them appropriately for the purpose they aim to operate. Further my work of this research would be exploring in detail existing chatbot platforms and compare them. It would also be interesting to examine the degree of ingenuity and functionality of current chatbots. Some ethical issues relative to chatbots would be worth studying like abuse and deception, as people, on some occasions, believe they talk to real humans while they are talking to chatbots.

The requirements for designing a chatbot include accurate knowledge representation, an answer generation strategy, and a set of predefined neutral answers to reply when user utterance is not understood. Many commercial and open-source options are available for the development of a chatbot. The number of chatbot-related technologies is already overwhelming and growing each day. Chatbots are developed in two ways: using any programming language like Java, Clojure, Python, C++, PHP, Ruby, and Lisp or using state-of-the-art platforms. All these platforms are supported by machine learning. They share some standard functionality (they are cloud-based, they support various programming and natural languages) but differ significantly in other aspects.

References

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