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(57) Abstract :
 Intelligent software, such as a chatbot, is capable of communicating with and carrying out acts just like a human. Using chatbots in customer care, social media marketing, and in real-time chat with customers has become increasingly popular in recent years. Retrieval-based models and generative-based models are the two main types of chatbot models, and their construction depends on them. Input patterns and responses are pre-programmed into a retrieval-based chatbot. A heuristic technique is used to select the best reaction after that. Goal oriented chatbots typically use this method because it lets us customize the tone and flow of the conversation to better serve our customers. Generic models aren't built or evaluated using predetermined responses. They're constructed from neural networks that go from left to right in a certain order. To a large extent, it's the same as machine translation in that respect. However, in this case, we shall transform data into something else called transformation, which is the process of translating source code from one language to another. Using Deep Neural Networks demands a lot of data because the algorithms are so complex. Deep learning techniques will be used to construct an interactive chatbot in this Python project with source code. The chatbot will be fed a dataset containing categories (intentions), patterns, and responses in order to become proficient. This is followed by categorizing the user's message with an LSTM and selecting a random response from among the possible ones.

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