

CREATE A CHATBOT USING PYTHON:

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INTRODUCTION:

Artificial Intelligence (AI) increasingly integrates our daily lives with the creation and analysis of intelligent software and hardware, called intelligent agents. Intelligent agents can do a variety of tasks ranging from laborwork to sophisticated operations. A chatbot is a typical example of an AI system and one of the most elementary and widespread examples of intelligent Human-Computer Interaction (HCI). It is a computer program, which responds like a smart entity when conversed with through text or voice and understands one or more human languages by Natural Language Processing (NLP). Chatbots are also known as smart bots, interactive agents, digital assistants, or artificial conversation entities.

ABSTRACT:

A Chatbot is artificial intelligence (AI) computer software that can simulate a conversation using textual or audio techniques. The basis of chat bots is artificial intelligence, which analyses a customer's data and blends the response with them. AI-powered bots can take over a variety of duties since they are considerably more powerful—and can

execute numerous tasks at once. Natural language processing enables a bot to converse in the most natural manner possible. A balanced blend of innovative technology and human intervention is the optimal user-Chabot connection.

KEYWORDS: Chabot, Chabot architecture, Artificial Intelligence, NLU (Natural language understanding), NLP (Natural language processing)

DESIGN:

A chatbot is a computer program, which is designed to simulate a conversation with human users using patterns, especially over the internet. They are our online assistants that offer different services through chatting over the internet. To build artificial intelligence chatbots through Python, you will require an AIML package (Artificial Intelligence Markup Language). First, we need to create a standard startup file without any pattern and load aiml b in the kernel. Add random response patterns that would make dialogue interesting.

CONCLUSION:

chatbots or smart assistants with artificial intelligence, in my opinion, are revolutionizing the world. In comparison to larger chatbots developing a simple chatbot is not a difficult effort, and developers need understand and address concerns such as reliability, scalability, and adaptability, as well as high level of intent on human language. Chatbots are more effective than people in reaching out to a big audience via messaging apps. They have the potential to become a useful information gathering tool in the near future.