CHATBOT

A chatbot is an artificial intelligence (AI) program designed to simulate human-like conversations with users through text or voice interactions.

Chatbot Creation steps:

Step 1: Identify the purpose of your chatbot

Need for the sales/customer communication through website, sales target/solutions briefing / lead generation / customer support automation

Step 2: Decide where you want it to appear

Need 4ct website created details (for integration purpose)

What is the backend used by 4ct website, so that it would be helpful for me to decide on integration.

Where chatbot should appear? Or should we go with integrating with social media platforms (need to check the possibility)

check if you can configure the integration yourself via code snippet or an open API.

Step 3: Choose the chatbot platform

Chatbot platforms/rule based custom chatbot creation - version1

AI frameworks

Step 4: Design the chatbot conversation in a chatbot editor

For this step, we must sit and study on conversation or solution which we are going to provide to the clients, examples like You want to collect the emails of visitors who choose to get the discount or what they are enquiring.

Step 5: Test your chatbot

Once the chatbot is built, test it by having people interact with it. This will help you identify any flaws in the chatbot's responses and refine the rules and flowchart.

Step 6: Train your chatbot

For higher version in chatbot, I need to work on AI and NLP based technologies

Step 7: Collect feedback from users

Step 8: Monitor chatbot analytics to improve

Why should we integrate the chatbot to our website?

1. Make customers happy by answering their questions faster
2. Conduct multiple real-time conversations at once
3. Increase your sales
4. Make your website more interactive, engaging, and credible
5. Offer better user experiences on mobile devices
6. Can collect feedback with up to 90% of the response rate, or recover abandoned shopping carts

Chatbot-4ct

How to create different types of chatting bots

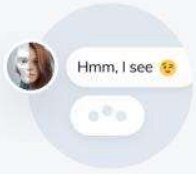
	Discord bot	Chatbot	Conversational AI assistant
Use case	Bots perform simple operations for me and send chat messages	Bots help me find information and answer my questions across different channels	Bots understand difficult problems, nuanced conversations, and context
Complexity	Low	Medium	High
Ease of use	Medium difficulty (involves coding)	Very easy (no coding)	High difficulty (advanced coding)
Default technology	Scripts (like node.js)	Chatbot builder (like Tidio)	AI frameworks (like Dialogflow)

TIDIO

Dos of chatbot building

Add a little bit of human touch

Give an option to contact human agents



Mimic a real human conversation

TIDIO

Define the user's intent: You should have a clear idea of the different types of questions that customers may ask. For example, customers may ask about the features, specifications, or pricing of a particular IoT device.

Define the chatbot's responses: Based on the customer's intent, you need to create a list of responses that the chatbot will give. The responses should be informative and help customers in making their purchasing decisions.

Create a list of rules: The rules will define how the chatbot will respond to the different types of questions that the customer may ask. For example, if the customer asks about a specific product's features, the chatbot will provide a list of the product's features.

Create a flowchart: A flowchart will help you visualize the conversation flow between the chatbot and the customer. This will help you identify any gaps in the conversation and refine your chatbot's responses.

To create a user interface (UI) for the chatbot, you can use a variety of tools and frameworks depending on your requirements.

Depending on requirement of company, I can decide on which platform I need to work on

Some examples are:

1. amazon lex (cloud platform)

It's important to note that these prices are subject to change and may vary based on the region and volume of requests. AWS also offers a free tier for Amazon Lex, which includes 10,000 text requests and 5,000 voice requests per month, for the first year after creating your account.

2. Bot press (cloud platform)

Can we create a chatbot using Python coding and create a user interface (UI) using frontend languages?

Yes,

1. Create the Chatbot Backend: You can use a Python library like Chatterbot or NLTK to create the chatbot backend. These libraries provide natural language processing (NLP) capabilities that you can use to create a chatbot that can understand and respond to user input.
2. Integrate the Chatbot with a Messaging Platform: Once you have created the chatbot backend, you can integrate it with a messaging platform like Facebook Messenger, WhatsApp, or Slack. You can use a library like Py Messenger to interact with the messaging platform's API and receive messages from users.
3. Create the UI: For the user interface, you can use frontend languages like HTML, CSS, and JavaScript to create a web-based interface for users to interact with the chatbot. You can use a framework like React or Angular to create a responsive and dynamic UI that can display chat conversations and send messages to the chatbot.
4. Connect the UI with the Chatbot: Once you have created the UI, you can connect it with the chatbot backend using a web API. You can use a Python web framework like Flask or Django to create the API endpoints that receive and respond to messages from the UI.