

1. Building the Chatbot:

The Fitness Chatbot is designed to answer all sorts of fitness based questions. We plan on to incorporate our own dataset consisting of commonly asked QnAs catering to the users needs. Apart from the dataset, the chatbot will use the OpenAI API to fetch answers using GPT3 enhancing the user experience and quality of responses provided.

2. Setting Up the Python Chatbot API:

We will define API endpoints such that our React app can communicate with the chatbot. These endpoints will handle user input and return chatbot responses, as the chatbot will be hosted in AWS.

3. Exposing API Endpoints:

We will define API routes that our React app can access. We parse the user input from the request and pass it to our chatbot logic for processing, finally we return the chatbot's response as a JSON object in the API response.

4. Send User Input to the Python Chatbot API:

When the user enters a message in the chatbot interface, we will use JavaScript's fetch API or a library like Axios to send a POST request to our Python chatbot API. We will include the user's message in the request body.

5. Receive and Display Chatbot Responses:

The React component will handle the API response from the Python chatbot and display the chatbot's response in the chatbot interface.

6. Stylings

We use CSS to design the UI of the web application.