Interview Task Overview

Client Website Link: https://www.healthline.com/

Client Requirement: Develop a fully custom chatbot capable of answering clients' questions based on the information available on the website.

Task Instructions

Part 1: Data Collection and Dataset Creation

1. **Website Analysis**:
   - Visit the client's website
   - Explore the website thoroughly to gather relevant information. This may include product descriptions, services offered, company information, FAQs, etc.
2. **Dataset Creation**:
   - Based on the gathered information, create a structured dataset that can be used to train a chatbot.
   - Ensure the dataset covers various sections of the website, including services, products, contact information, and any other relevant content.
   - Ensure coverage of all sections of the website. Organize the dataset to make sure it captures a broad set of potential client queries.

Part 2: Model Training

3. **Model Selection**:
   - Choose a machine learning or deep learning model suitable for answering questions based on the data.
   - Ensure the model is suitable for generating or selecting accurate responses based on the user's questions.
4. **Training**:
   - Train the model using the dataset.
   - Implement techniques and ensure it can accurately answer a wide range of questions related to the content on the website.
   - Test the model during training to assess its performance and make necessary adjustments.
5. **Evaluation**:
   - After training, evaluate the model's accuracy by asking a variety of questions related to the website content.
   - Ensure the chatbot provides correct and contextually relevant responses.

Part 3: Submission

6. **Code Submission:**

- Submit the Python scripts and created dataset
- Use github to submit the code.
- Ensure that your code is well-documented and easy to follow.
- Create a short video of question answering of the chatbot