

CodeForge - Abstract

Team Details -

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Problem Statement -

Task 2 - HEALTHCARE INFORMATION ASSISTANT

Proposed Solution -

- Created a chatbot-style interface for seamless information gathering through both text and voice inputs.
- Integrated Natural Language Processing (NLP) techniques for better understanding of user inputs.
- made a machine learning or rule-based algorithm to correlate symptoms to potential diseases.
- Created a recommendation system for suggesting cures and urgent measures based on identified diseases and symptom severity.
- Implemented a secure and scalable database for storing user information.
- Provided clear instructions and prompts for easy interaction, even in distress.
- Implemented a feature to connect user with specialist doctor on the basis of identified disease with their credentials and appointment scheduling.
- Facilitated appointment scheduling with the recommended specialist through the assistant.

Tech Stack-

- html, css, javascript
- python
- python libraries: panda, numpy, matplotlib, joblib, websocket, sklearn(random forest)
- mongodb, mongoose
- express.js, passport.js

Details about how Your whole solution is going to work (FlowChart / Steps) :-