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Patent Search

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Abstract:

AI CHATBOTS IN HEALTHCARE AUTOMATING INFORMATION GATHERING FOR IMPROVED DECISION MAKING Abstract: The invention, "AI Chatbots in Healthcare: Autor Information Gathering for Improved Decision Making," introduces an innovative AI chatbot system designed for the healthcare industry. Leveraging advanced artificial technologies, including natural language processing (NLP) and machine learning (ML), the chatbot interacts with patients, caregivers, and healthcare professionals, au data collection and optimizing decision-making processes. The chatbot's NLP module understands user queries, while the ML module analyzes vast healthcare dataa personalized responses. Features include virtual triage for urgent cases, continuous health monitoring, and real-time health data analysis. The chatbot empowers use accurate medical information, personalized health education, and proactive support, leading to improved patient outcomes and efficient healthcare services.

Complete Specification

Description: AI CHATBOTS IN HEALTHCARE AUTOMATING INFORMATION GATHERING FOR IMPROVED DECISION MAKING

Field of Invention:

The field of invention for "AI Chatbots in Healthcare: Automating Information Gathering for Improved Decision Making" lies at the intersection of information technology, artificial intelligence, and healthcare technology, with a specific focus on enhancing healthcare decision-making processes through the application of AI-driven chat systems.

Background of the Invention:

The background of the invention for "AI Chatbots in Healthcare: Automating Information Gathering for Improved Decision Making" stems from the increasing demand for efficient and personalized healthcare services, coupled with advancements in artificial intelligence and natural language processing technologies. Traditional healthcare processes often involve manual data collection, delayed decision-making, and limited resources, leading to inefficiencies and potential risks for patient care.

The integration of AI technologies in healthcare, particularly AI chatbots, presents a transformative opportunity to address these challenges and improve healthcare services. AI chatbots are computer programs equipped with sophisticated AI algorithms that can interact with users, understand natural language, and provide contextually relevant responses. These chatbots can operate on various digital platforms, including websites, mobile apps, and messaging services, making them accessible to a wide range of users.

The background of the invention recognizes the need for a more efficient, data-driven, and user-friendly approach to healthcare information gathering and decision-making.

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