

Google AI Gemini web Technologies Use an Alternative Traditional Chatbot Systems in Library and Information Centers

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ABSTRACT

Purpose- The purpose this study explore the benefit of using the Google AI based Chatbot system as a for better library services and function, how to the use Gemini in belter library service in Library information Centre, explore the feature of Both AI technology use in library. Which AI web Technology a most valuable for Library and Information center.

Design /Methodology/Approach: This study is use the methodology a comparative base Chatbotvs. Google AI Gemini. We are use many parameter like a Feature wise, Capabilities wise, Data access wise, flexibility wise etc.

Findings:-Google AI based Gemini a new technology after the analysis we found that Gemini is provide an advance feature. It's totally different to other AI technology. It's provide a Text Generation, translation, summarization, code analysis, image generation, multimodality More flexible, can be adapted to various applications

Originality/value- Google AI Gemini web technology advantage in better library services to users and staff. The Chatbot traditional way search the library queries but Google AI Gemini is provide the many feature it is different to other AI web Technologies

KEYWORDS: Google AI, Chat Bot, Internet Thing, Library Information center, Web Technology

1. INTRODUCTION

Gemini, the large language model (LLM): This is the system you're interacting with right now! It's a powerful LLM built on Google's latest research and technology It comes in three sizes: Nano, Pro (1.0 and 1.5), and Ultra. Each size is optimized for different tasks and resource requirements. Gemini through the Gemini app (Android only), the Gemini API in Google AI Studio or Google Cloud Vertex AI, or through the Google Search bar with the prompt "Ask me anything". Gemini depends on your specific needs and priorities. However, based on its capabilities and recent developments, here are some strong contenders for the title:

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2. THE FEATURE OF GEMINI

1. **Multimodality:** Gemini's ability to process and generate text, images, code, and even audio sets it apart from many other language models. This opens up a wider range of tasks it can perform and allows for more interactive and engaging experiences.
2. **Speed and Efficiency:** Gemini consistently demonstrates impressive speed in various tasks, from text summarization to image generation, often outperforming competitors like ChatGPT. This can save you time and effort, especially when dealing with large amounts of information.
3. **Integration with Google Apps:** If you already use Google products like Gmail and Drive, Gemini's ability to access and process information from them can be a game-changer. This seamless integration simplifies tasks like summarizing expenses or managing documents.
4. **Continuous Improvement:** Gemini is actively developed and constantly receives updates, adding new features and refining existing ones. This ensures you have access to the latest advancements in AI technology and can benefit from ongoing improvements.
5. **Customization Potential:** While not yet fully available, Gemini offers custom pricing for larger users and the potential to train models on specific data. This allows for tailored solutions and increased accuracy in specialized domains.
6. **Reasoning and explanation:** Gemini can explain its reasoning behind responses, aiding understanding and trust.
7. **Factual verification and reasoning:** This helps combat misinformation and provides reliable information.
8. **Personalized search:** Gemini can personalize results based on your preferences, leading to more relevant discoveries.

Google AI Gemini can be implication in Library information Centre.

3. GEMINI USEFUL LIBRARIAN PERSPECTIVE

- **Research Assistant support-** Gemini can quickly research and summarize information on a variety of topics, saving librarians time and effort when answering patron questions.
- **Library Increase collection Development:-** Gemini can analyze library holdings and usage data to suggest new materials to acquire, ensuring the collection meets patron needs.
- **Library Program development:** Gemini can generate ideas and content for library programs, such as story times, workshops, and author talks.
- **Library Outreach and engagement:** Gemini can create personalized communications with patrons, such as reading recommendations or event invitations.
- **Library Accessibility:** Gemini can translate materials into different languages or generate audio descriptions for images, making the library more accessible to patrons with disabilities.

4. FOR LIBRARY USERS PERSPECTIVE

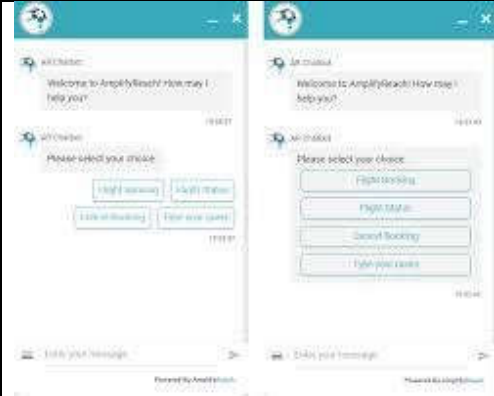
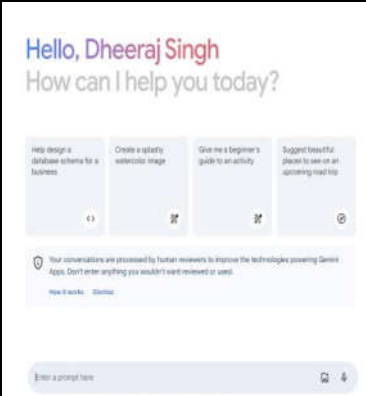
- **Information retrieval:** Gemini can help patrons find information within the library's collection or on the internet, saving them time and effort.
- **Writing and research assistance:** Gemini can help patrons brainstorm ideas, write essays or reports, and find relevant sources.
- **Personalization:** Gemini can recommend books, articles, and other resources based on a

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patron's interests and reading history.

- **Accessibility:** Gemini can translate materials into different languages or read text aloud, making the library more accessible to patrons with disabilities.
- Gemini can be used to create interactive exhibits and displays in the library.
- Gemini can be used to provide virtual reference services to patrons who cannot visit the library in person.
- Gemini can be used to personalize the library experience for each patron.
- Privacy: Libraries will need to ensure that Gemini is used in a way that protects patron privacy.
- Bias: Like any AI system, Gemini may reflect biases in its training data. Libraries will need to be aware of this and use Gemini responsibly.
- Integration with existing library systems: Libraries will need to find ways to integrate Gemini with their existing systems and workflows

5. DIFFERENCE BETWEEN CHATBOT AND GOOGLE AI GEMINI

Feature	Chatbot	Gemini
Purpose	Specific tasks (customer service, information, entertainment)	Broader range of tasks and applications
Capabilities	Varies depending on design, often limited	Text generation, generation, multimodality
Data access	Limited to specific datasets or platforms	Can access and process information from various sources, including Google apps
Flexibility	Less flexible, designed for specific tasks	More flexible, can be
Examples	Virtual assistants, customer service chatbots, game characters	Gemini app, API integration, custom applications
User Interface		

Integrating Gemini into library services offers exciting possibilities, but the approach depends on your specific goals and technical capabilities. Here are some ways Gemini can be connected to library services:

6. CONCLUSION

The Chatbot and Gemini offer valuable tools for libraries, but the best choice depends on your specific needs and priorities. Consider the strengths and weaknesses of each LLM, your technical capabilities, and budget to make an informed decision. It's also worth exploring other LLMs emerging in the market, as the field is rapidly evolving.

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