Paper title

Author

Abstracts

Keywords

1. Introduction { with citations}

What is chatbot? And short history

Chatbots are pre-trained with knowledge (Bhattacharjya et al., 2022) and showcased as programs which creates human AI interaction (Adamopoulou & Moussiades, 2020a) either for satisfaction of user or simulation of offline agents. (Lowry, Romano, Jenkins, & Guthrie, 2009).

Alan Turing Can Machine Think, gave rise to ELIZA, First Chatbot in 1966. ELIZA, Psychotherapist’s simulator (Adamopoulou & Moussiades, 2020a)selected output template based upon a pattern of linguistic rules provided manually. (Bhattacharjya et al., 2022) PARRY (1973) also used in experiment (1979) gave domain for further research on high-speed response and learning(Adamopoulou & Moussiades, 2020b). Similar chatbot, but AI was introduced in Jabberwacky (Jabberwacky, 2019) used CleverScript. Predictable and slow response, conversation loop was still prior problems in chatbots with no scalability. (Jwala, 2019). ALICE (1995) was working better than ELIZA by using AIML. (Bhattacharjya et al., 2022).

2001, chatbots like SmarterChild started to displaying movie times, sport score. (Molnar & Zoltan, 2018) After this, Machine learning and deep learning was well prior (Bhattacharjya et al., 2022) for research which resulted Siri, Watson, Google Assistance, Cortana and Alexa. Watson won Jeopardy winners, Even EQ and IQ was taken consideration in terms of Microsoft Xiaolace (Zhou, Gao, Li, & Shum, 2019), Google Assistance started predicting user needs but data privacy and malwares were key cons of this intelligent chatbots. (Cortana Security flaw means your PC may be comprised, 2018) (Adamopoulou & Moussiades, 2020b).

What are significances of chatbot?

Nearly all businesses are in the field of research of chatbots so as to create a friendly like toy tool chatbot for customers. (Adamopoulou & Moussiades, 2020a)Mainly they are focusing on emotional (Xu, Liu, Guo, Sinha, & Akkiraju) requests and neutral responses. (Costa, 2018)

What are types of chatbot?

Chatbots are seen as task oriented or conversational. (Adamopoulou & Moussiades, 2020b) Automated service are provided like specific transactions using ML for task-oriented whereas personalized, knowledgeable, and interactive conversational response are generated using predictive intelligence and machine learning for conversational chatbots. (Bhattacharjya et al., 2022)

What is ChatGPT ? Discuss along with its history and differences with normal chatbots.

How chatGPT works? Explain with diagram.

2. Literature reivew

Reivew of more than 10 papers from journal (2019-2023)

Discuss

ChatGPT and its applications

Industry applications>> education, health, medicine, industry, research

NLP Applications >> content generation, text summarization, machine translation, QA,…

chatGPT and its Pros / Cons / limitations

ChatGPT and its technical implementation with diagram

ChatGPT and its comparison with other AI-based chatbots

ChatGPT and performance issues

1. Analysis

Analyze using 10 or more papers

Critically analyze >> cross-check statement presented in one paper with that in another paper, present your opinion as well.

3.1 Ethical issues

3.2 Trust issues

3.3 Accountability issue

1. Conclusion

Present your final verdicts / recommendations based on your study