

To Study Artificial Intelligence and Machine Learning Algorithms used in Medical Chatbot

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Abstract: *The goal of this review paper is to examine the many types of algorithms utilised in detection. Artificial intelligence is one of the fascinating and all-encompassing fields of computer science with a promising future. AI tends to mimic human behaviour in machines. "Artificial intelligence" is made up of the words "artificial" and "intelligence," where "artificial" denotes something that is "man-made" and "intelligent" denotes something that has "thinking power." When a machine can possess human-like abilities like learning, reasoning, and problem-solving, this is known as artificial intelligence. The ability of machine learning to recognise or forecast outcomes based on data points includes data points from any domain, including image, text, video, and speech. Science's field of machine learning enables computers to learn without explicit programming. Machine learning is one of the most exciting technologies ever created. As the name suggests, the computer's capacity for learning is what gives it a more human-like character. Machine learning is being actively used now, perhaps in a lot more places than one might imagine. There are several uses for machine learning, and one of them with the help of data, machine learning can automatically learn from the past and identify distinct patterns in a dataset. This examination will go into the underlying ideas and principles of machine learning algorithms, examining their advantages, disadvantages, and potential applications. Understanding the nuances of several algorithms can help us choose the best approach for a particular problem or dataset. This review seeks to offer helpful insights into the varied terrain of machine learning algorithms, whether you are a novice or an experienced practitioner*

Keywords: Natural Language Processing (NLP), Convolutional neural network (CNN), Support Vector Machine(SVM), Random Forest, Machine Learning, Supervised Learning

REFERENCES

- [1]. Neelam Labhade-Kumar, Dr.Yogesh Kumar Sharma, Dr. Parul Arora "Key Feature Extraction for Video Shot Boundary Detection using CNN",International Journal of Recent Technology and Engineering (IJRTE) blue Eye (Scopus),ISSN: 2277-3878, Volume-8 Issue-5, January 2020 Retrieval Number: E6789018520/2020©BEIESP DOI:10.35940/ijrte. E6789.018520, PP 4763-4769.
- [2]. Neelam Labhade-Kumar, Dr.Yogesh Kumar Sharma, Dr. Parul Arora," STUDY OF NEURAL NETWORKS IN VIDEO PROCESSING", 2019 Journal of Emerging Technologies and Innovative Research(JETIR) March 2019, Volume 6, Issue 3PP-330-335
- [3]. Jagruti Khairnar, Priyanka Doifode, Sakshi Kharche, Prof. Neelam Kumar, Falguni Ghatkar," To Study Different Types of Supervised Learning Algorithm" May 2023, International Journal of Advanced Research in Science, Communication and Technology (IJAR SCT), Volume 3, Issue 8, May 2023,PP-25-32
- [4]. Siddharth NandakumarChikalkar,"K -NEAREST NEIGHBORS MACHINE LEARNING ALGORITHM",2020 IJCRT | Volume 8, Issue 12 December 2020 | ISSN: 2320-2882PP2400-240
- [5]. A. Augello SacconeHumorist Bot: Bringing Computational Humour in a Chat-Bot System by G. Gaglio S. Pilato G.Pages 703–708 of the proceedings from the international conference on "Complex, Intelligent and Software Intensive Systems (CISIS)" held from March 4–7, 2019, in Barcelona, Spain.

- [6]. Gambino O. Augello A. Caronia A. Pilato G. Pirrone R. Gaglio S., Real talking head interaction in a virtual setting. Pages. 263-268 in Proceedings of the Conference on "Human System Interactions", Krakow, Poland, May 25–27, 2020.
- [7]. Vojtko J. Kacur J. Rozinaj G., Sphinx 4-based training of the Slovak voice recognition system for GSM networks. Journal of the International Symposium "EL, MAR (Electronics in Marine) focused on Mobile Multimedia", 12-14 September.2020, Zadar, Croatia, pp. 147-150.
- [8]. Sun Microsystems, Developer resources for JAVA technology. [Online] <http://java.sun.com> (Accessed: 30 Oct. 2021) the Apache Software Foundation and the Apache HTTP Server Project. [Online] <http://www.apache.org> (Accessed: 30 Oct. 2019)
- [9]. Sun Microsystems, MySQL: The world's most popular open source database. [Online] <http://www.mysql.com> (Accessed: 30 Oct. 2021)