

A Platform for News Application with Voice Assistant Using AI

Mrs. M. C. Jaya Prasanna¹, J. Rajarajeswari², A. Sakthi Oviya³, S. R. Samyuktha⁴

Assistant Professor, Anjalai Ammal Mahalingam Engineering College, Thiruvavur, India¹

Students, Anjalai Ammal Mahalingam Engineering College, Thiruvavur, India^{2,3,4}

Abstract: As we all know that the constant source of news and information for us till now was Newspaper. Till now there are many technological advancements like radios, televisions and many more which have led to newer ways of delivering news and information. As there were many technological advancements in the field of Artificial Intelligence, many researchers and developers are making use of this in many fields. In this paper, we have presented a web-based service that is a fusion of the revolutionary new Alan Studio, News API, Weather API, and React. As we all know future generation doesn't have enough time to read newspaper so, they either are not aware of the news or they rely on their smartphones for the news. Sometimes they don't even get much time to read it so this application to get the news in more easy way which will save their time and physical as well as mental work. This web application is completely interactive and user will be able to get news from any topic of his/her interest just by speaking. So, we come up with an idea of Voice Controlled Web Application which provides a very simplistic approach and ease to the user as it will save their time, will be responsive and will work well with any device such as laptop, desktop. The user can access the news by category, popular news channels, by terms, etc. The web application will reduce the amount of human physical as well as mental effort required by the user to perform previously and will offer a much more interesting way of getting news and information.

Keywords:

Web Technology, Alan AI, Voice Assistant, Artificial Intelligence.

REFERENCES

- [1] M. Gautam Reddy, K. Lalitha, G.D.S.R. Abhishek, A. Parameswar Rao, Mr.Viswanath G, "An interactive voice-controlled application integral ted with artificial intelligence using Alan studio", international journal of creative research thoughts (IJCRT) volume 10, Issue 8 August 2022.
- [2] Jaya Vel Rajan M1, Akash C2, Senthil Kumar S R3, Reena R4, "Speech-Driven Web News Application using Artificial Intelligence", International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 6, June 2022.
- [3] Devashish Ashok Pathrabe, Aboli Anil Gosavi, Yogesh Kumar "Conversational Voice Controlled News Application", International Research Journal of engineering and Technology (IRJET) Volume: 09 Issue: 06 Jun 2022.
- [4] Mohammed Nomaan1, Dr Bhuvana J "News App using AI based Voice Assistant", International Journal of Research Publication and Reviews Vol 3, no 4, pp 170-171, April 2022.
- [5] AmoghBorgave, Vignesh Sura, Vignesh Sura, Yash Patil, Prof. Govind Pole, "Review Of Conversational Voice Controlled React News App using Alan AI", Journal of emerging technologies and Innovative research (JETIR) © 2022 JETIR March 2022, Volume 9, Issue 3.
- [6] G. Terzopoulos and M. Satratzemi, "Voice Assistants and Smart Speakers in Everyday Life and in Education Informatics Educ., vol. 19, no. 3, pp. 473-490, 2020, DOI: 10.15388/infedu.2020.21.
- [7] J Gnanamanickam, Y. Natarajan, and K. R. Sri Preethaa, "A hybrid speech enhancement algorithm for voice assistance application, Sensors, vol. 21, no. 21, Nov. 2021, DOI: 10.3390/521217025.

- [8] AadityaChaprana, Ranjeet Kumar, PhD, Ajay Saini, Akash Kumar, "Voice Controlled News Web Application with Speech Recognition using Alan Studio", International Journal of Computer Applications (0975 – 8887) Volume 183 – No. 2, May 2021.
- [9] Sameer Mahajan, Nahush Kulkarni "A Conversational News Application Project using Artificial Intelligence based Voice Assistance", International Research Journal of Engineering and Technology (IRJET) Volume: 07 Issue: 09 September 2020.
- [10] R. Dale, "Voice assistance in 2019" Nat. Lang. Eng., vol. 26, no. 1, pp. 129-136 Jan, 2020, DOI: 10.1017/S1351324919000640.