



Team : {return 0};




DEVHACK 5.0 2024

**TOPIC: GPT FOR LOCAL INDIAN
LANGUAGES**



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ABSTRACT

KEY FEATURES

WORKING OF MODEL

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Problem Statement

With a particular eye toward the varied linguistic terrain of the Indian subcontinent, our AI model aims to advance natural language processing for Indian languages. Our model uses the GPT architecture with algorithms like STABLE DIFFUSION AND TRANSFORMER Modules to enable smooth and culturally sensitive discussions in a variety of languages, including Kannada, Hindi, Marathi and more. Also the importance of our project is that it works in OFFLINE mode so that weaker section of our country can also use this model, The chatbot improves user engagement and comprehension by taking into account language specifics, geographical variances, and informal idioms that are unique to India. By making sophisticated language models available to a larger audience, our effort not only helps to democratize AI but also promotes and preserves India's rich linguistic legacy.

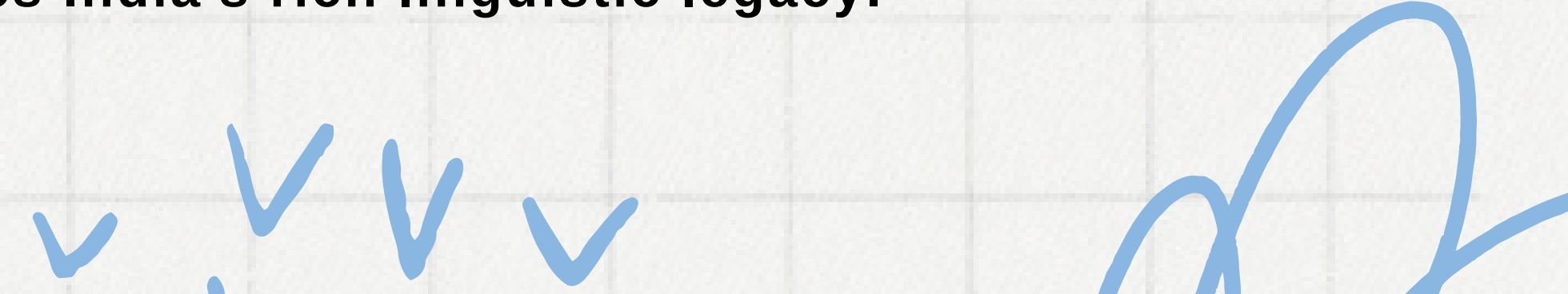


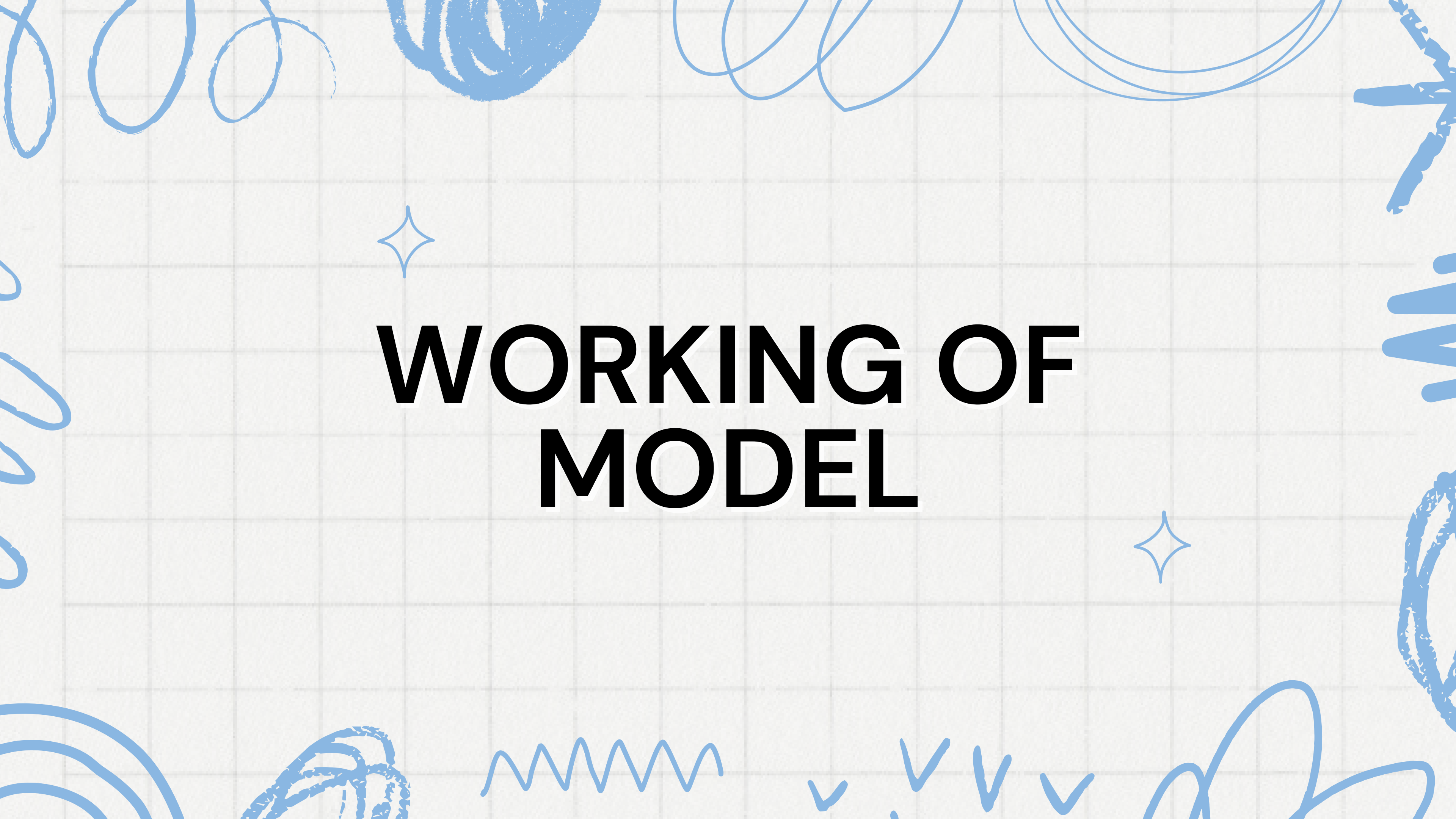
IMAGE DESCRIPTION : It refers to a concise and informative overview that captures the fundamental characteristics, functionalities, and objectives of the artificial intelligence system

Text-to-Text : Here the user can give input prompt in terms of text (the language which he knows)and the output text will be in another language which has been selected by the user.

KEY FEATURES

Text-to-Image: Here the user will give the input prompt as text which describes the required features about the image and the output will generate the required image.

This model is developed for ease of use and has user friendly interaction.




WORKING OF MODEL

CONCLUSION

**In Conclusion, our project is about making a meaningful impact on communities
By embracing diversity in language and providing accessible solutions, we aim to empower the underserved and create a more inclusive digital landscape.**



The background is a light blue grid. It is decorated with various hand-drawn blue doodles. At the top left, there are several overlapping circles. To their right is a solid blue circle with internal lines. Further right are more overlapping circles. On the far right, there is a star-like shape and some horizontal lines. At the bottom, there are several checkmarks, a wavy line, and some abstract scribbles.

**Thank you
very much!**