

ABSTRACT

With the development of artificial intelligence (AI), language models have gradually matured, but general large language models struggle to cover all knowledge areas within the specialized field of veterinary medicine. This project introduces VetMedGPT, an innovative language model designed to enhance performance in the veterinary field through AI. Developed based on over 500GB of veterinary corpus, VetMedGPT aims to address critical knowledge gaps in animal diseases, treatments, and clinical procedures. This AI model was trained on veterinary-related datasets to strengthen the widespread dissemination of veterinary knowledge among the public by reducing deployment costs and maintaining acceptable accuracy. Its applications range from serving as an interactive learning tool in classroom teaching to assisting non-professionals in understanding animal symptoms and seeking medical help in a timely manner. The integration of VetMedGPT into veterinary education and research lays the foundation for transforming diagnostic and treatment patterns for animal diseases.

CONCLUSIONS

Findings: Our analysis indicates that data, when fine-tuned, yields answers with a stronger relevance in the field of veterinary medicine