IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.53
Volume 4, Issue 1, November 2024

AI to Transform Veterinary Science

A. Amutha[1], P.V. Sripriya[2], R. Sathya[3]
Assistant Professor, School of Computer Studies[1,2,3]
AVP College of Arts and Science, Tirupur, India

Abstract: *Veterinary medicine is a broad and developing profession that covers topics such as companion animal health, zoonotic infections, agriculture, and community health. The potential for better animal healthcare and diagnostics has sparked a growing interest in the application of computer vision (CV) in the veterinary science discipline in recent years. This research investigates the extent and potential applications of CV techniques, with a focus on deep learning approaches, for medical imaging, thermal video analysis, alignment diagnostics, and post-surgery pet monitoring in clinical settings. Salient Object Deduction (SOD), R-CNN, and Convolutional Attentive Adversarial Network (CAAN) applications are examined in this study to demonstrate the important roles that CV plays in addressing animal healthcare issues and enhancing overall health.*

Keywords: Computer Vision, Veterinary Science, Deep Learning, Object Detection

DOI: 10.48175/IJARSCT-22061