

# Animal Species Detection Using Raspberry Pi and Deep Learning

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**Abstract:** Animal species detection is a crucial task in various fields, including wildlife monitoring, conservation efforts, and research. Traditional methods of animal detection, such as manual observation or using physical traps, can be time-consuming, costly, and may cause harm to the animals. With the recent advancements in technology, computer vision and machine learning techniques have been used for animal species detection. In this project, we propose a real-time animal species detection system using Raspberry Pi and deep learning.

**Keywords:** Raspberry Pi, Camera, Computer vision, Deep Learning

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