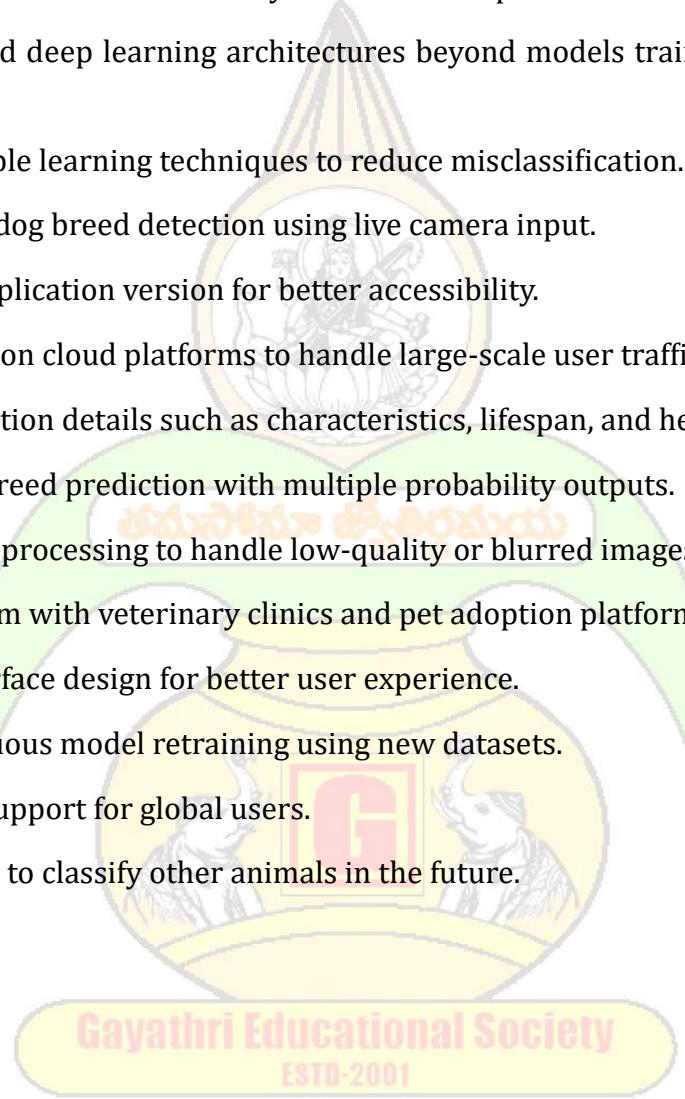


Chapter 11

Future Scope

11.1 - Future Scope

- Increase the dataset size to improve model accuracy and generalization.
- Include more dog breeds to make the system more comprehensive.
- Fine-tune advanced deep learning architectures beyond models trained on ImageNet for better performance.
- Implement ensemble learning techniques to reduce misclassification.
- Develop real-time dog breed detection using live camera input.
- Create a mobile application version for better accessibility.
- Deploy the system on cloud platforms to handle large-scale user traffic.
- Add breed information details such as characteristics, lifespan, and health conditions.
- Introduce mixed-breed prediction with multiple probability outputs.
- Improve image preprocessing to handle low-quality or blurred images.
- Integrate the system with veterinary clinics and pet adoption platforms.
- Enhance user interface design for better user experience.
- Implement continuous model retraining using new datasets.
- Add multilingual support for global users.
- Expand the system to classify other animals in the future.



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