



INFORMATICS INSTITUTE OF TECHNOLOGY

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In Collaboration with
UNIVERSITY OF WESTMINSTER

Verified Original-Chain Puppy Breeds (E-commerce site)

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ABSTRACT

Co-existence of humans and other living beings is inevitable for the world's function. Especially when we are closed inside four walls due to the pandemic, we seek for leisure time partners in the form of pets. My research is for creating a user-friendly e-commerce platform for pet sales. Recognising the age and original breed of the pets using 'image processing technology' is where our field of IT comes to use in this field. Though this field is already popular, thanks to the wide emergence of the 'Work from home' era due to the pandemic, the chances of being scammed is highly possible. While finding their four-legged companions, a trustworthy site is the need of the hour for the buyers. Meanwhile sellers also need a correct platform to showcase their dogs. This study enables us to apply a pre-existing model trained on a large dataset to our own problems.. In short, our vision is 'serving mankind through pets'.

Keywords: single image verification, puppy breed image processing, image generative models, image analyzing.

Acronym	Description
IP	Image processing
IA	Image analysis
GUI	Graphical User Interface
DIP	Digital image processing
CNN	Convolutional Neural Network
LR	Literature Review