

Dog breed identification using transfer learning

DATE	28-02-2026
TEAM ID	LTVIP2026TMIDS90703
PROJECT NAME	Dog breed identification using transfer learning
MAXIMUM MARKS	4 MARKS

6.2 - Data Collection

In this milestone First, we will collect images of Dog Breeds then organized into subdirectories based on their respective names as shown in the project structure. Create folders of types of Dog Breeds that need to be recognized. In this project, we have collected images of 20 types of Images like affenpinscher, beagle, appenzeller, basset, bluetick, boxer, cairn, doberman, german_shepherd, golden_retriever, kelpie, komondor, leonberg, mexican_hairless, pug, redbone, shih-tzu, toy_poodle, vizsla, whippet they are saved in the respective sub directories with their respective names.

Download the Dataset- <https://www.kaggle.com/competitions/dog-breed-identification/data?select=train>

The screenshot displays the Kaggle interface for the 'Dog Breed Identification' competition. The left sidebar shows navigation options like Home, Competitions, Datasets, Models, Benchmarks, Game Arena, Code, Discussions, Learn, and More. The main content area features the competition title, a brief description, and tabs for Overview, Data, Code, Models, Discussion, Leaderboard, and Rules. The 'Data' tab is active, showing the 'Dataset Description' which explains the training and test sets and lists 120 breeds. A partial list of breeds is visible: affenpinscher, afghan_hound, african_hunting_dog, airedale, and american_staffordshire_terrier. On the right, a metadata panel lists 'Files' (20581), 'Size' (750.43 MB), 'Type' (jpg, csv), and 'License' (Attribution 4.0 International).

In Image Processing, we will be improving the image data that suppresses unwilling distortions or enhances some image features important for further processing, although perform some geometric transformations of images like rotation, scaling, translation, etc.