Data Collection and Preprocessing Phase

Date	4th July 2024
Team ID	SWTID1720521440
Project Title	Dog Breed Identification Using Transfer Learning
Maximum Marks	2 Marks

Data Quality Report Template

The Data Quality Report Template will summarize data quality issues from the selected source, including severity levels and resolution plans. It will aid in systematically identifying and rectifying data discrepancies.

Data Source	Data Quality Issue	Severity	Resolution Plan
Dataset	1. Some images may be of poor quality (blurry, low resolution, poor lighting), which can affect the model's ability to learn features effectively. 2. Lack of comprehensive metadata (e.g., dog's age, size, or additional features) can limit the context and potentially useful information for better breed identification.	Moderate	1.Use image preprocessing techniques such as sharpening, denoising, and resizing to improve image quality. Applying augmentation techniques like rotation, scaling, and cropping can also help create a more robust dataset. 2. Clearly define and document the labeling criteria for mixed breeds. If mixed breeds are significant in number, consider creating a separate class for mixed breeds or

			use hierarchical classification where mixed breeds are identified first and then further classified.
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