

Project Design Phase-II

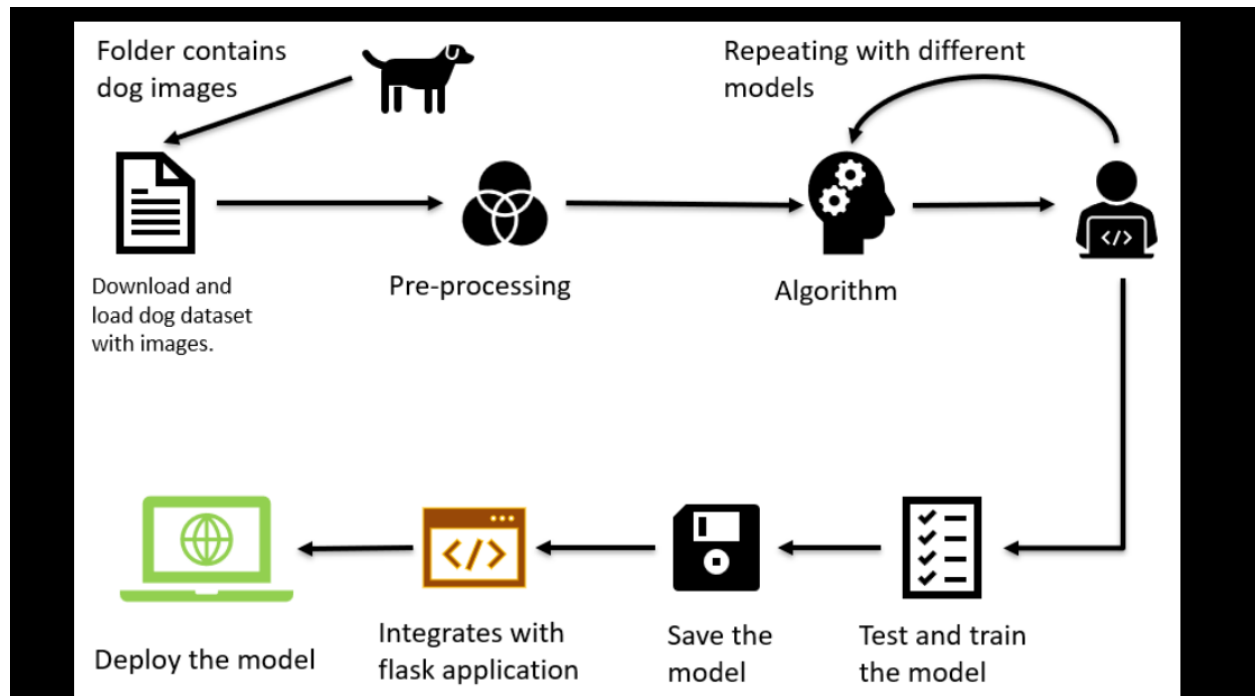
Data Flow Diagram & User Stories

Date	25 January 2025
Team ID	LTVIP2026TMIDS53438
Project Name	Dog Breed Identification Using Transfer Learning
Maximum Marks	4 Marks

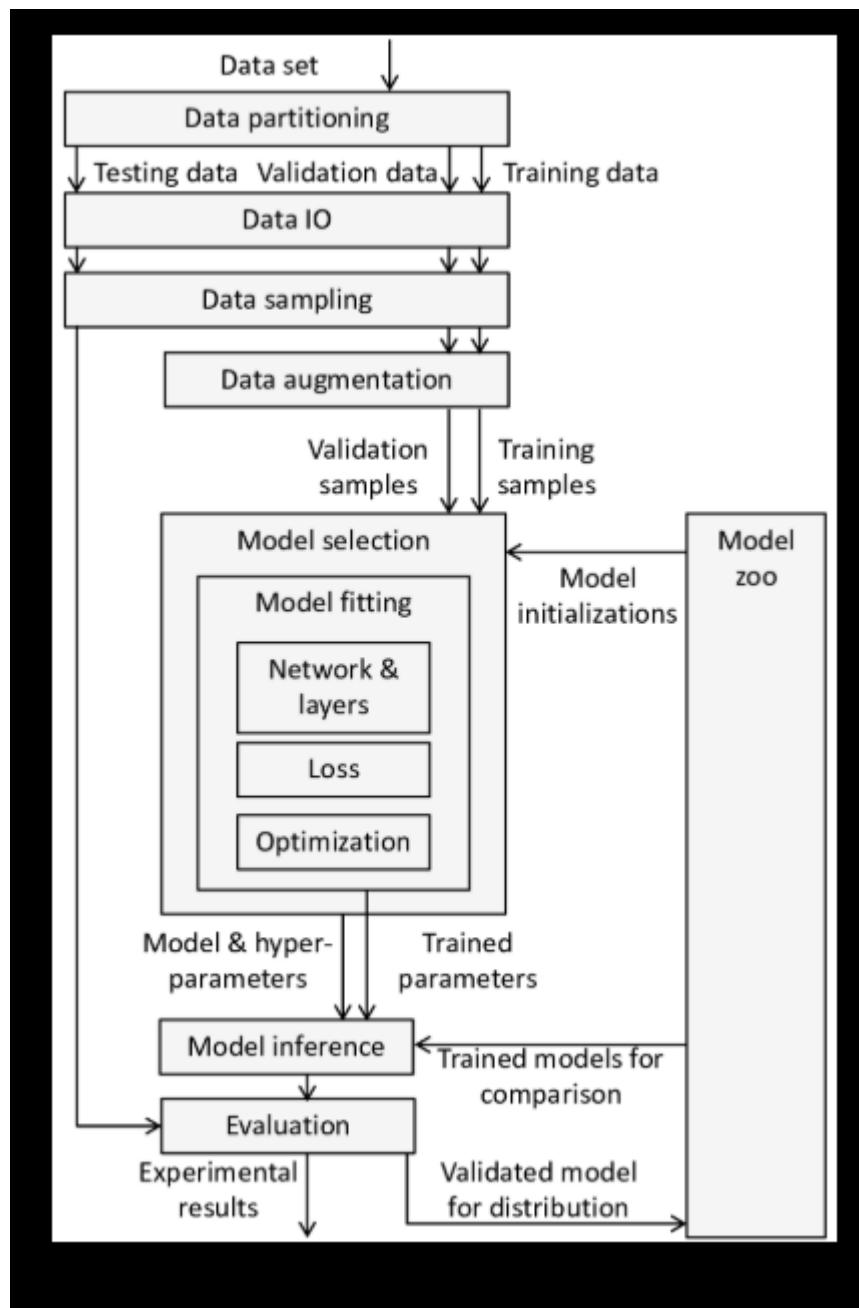
Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Level 0- DFD



Level 1- DFD



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile/Web)	Registration	USN-1	As a user, I can register using email and	User account is created and dashboard	Medium	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
User)			password.	opens.		
		USN-2	As a user, I receive a confirmation email after registration.	Email received and account verified successfully.	Low	Sprint-2
	Login	USN-3	As a user, I can log in using email and password.	User can access dashboard after login.	High	Sprint-1
	Image Upload	USN-4	As a user, I can upload a dog image from my device.	Image uploads successfully.	High	Sprint-1
	Camera Capture	USN-5	As a user, I can capture a dog image using the camera.	Captured image is processed successfully.	Medium	Sprint-2
	Breed Prediction	USN-6	As a user, I can identify the dog breed from the uploaded image.	Breed name is displayed correctly.	High	Sprint-1
	Confidence Score	USN-7	As a user, I can view the prediction confidence score.	Confidence percentage is displayed.	Medium	Sprint-1
	Breed Details	USN-8	As a user, I can view detailed breed	Breed origin, traits, and description	Medium	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
			information.	are shown.		
	Multiple Predictions	USN-9	As a user, I can upload multiple images for predictions.	User can repeat predictions without errors.	Medium	Sprint-2
Administrator	Dataset Management	USN-11	Admin can add new dog breed images to dataset.	Images are stored successfully.	Medium	Sprint-2
	Model Training	USN-12	Admin can retrain the model with updated data.	Model retrains and updates predictions.	Low	Sprint-3
	System Monitoring	USN-13	Admin can monitor system performance.	Prediction service runs without failures.	Low	Sprint-3