

**Project Design Phase**  
**Solution Architecture**

Date	03 February 2025
Team ID	LTVIP2026TMIDS53438
Project Name	Dog breed Prediction Using Transfer Learning
Maximum Marks	4 Marks

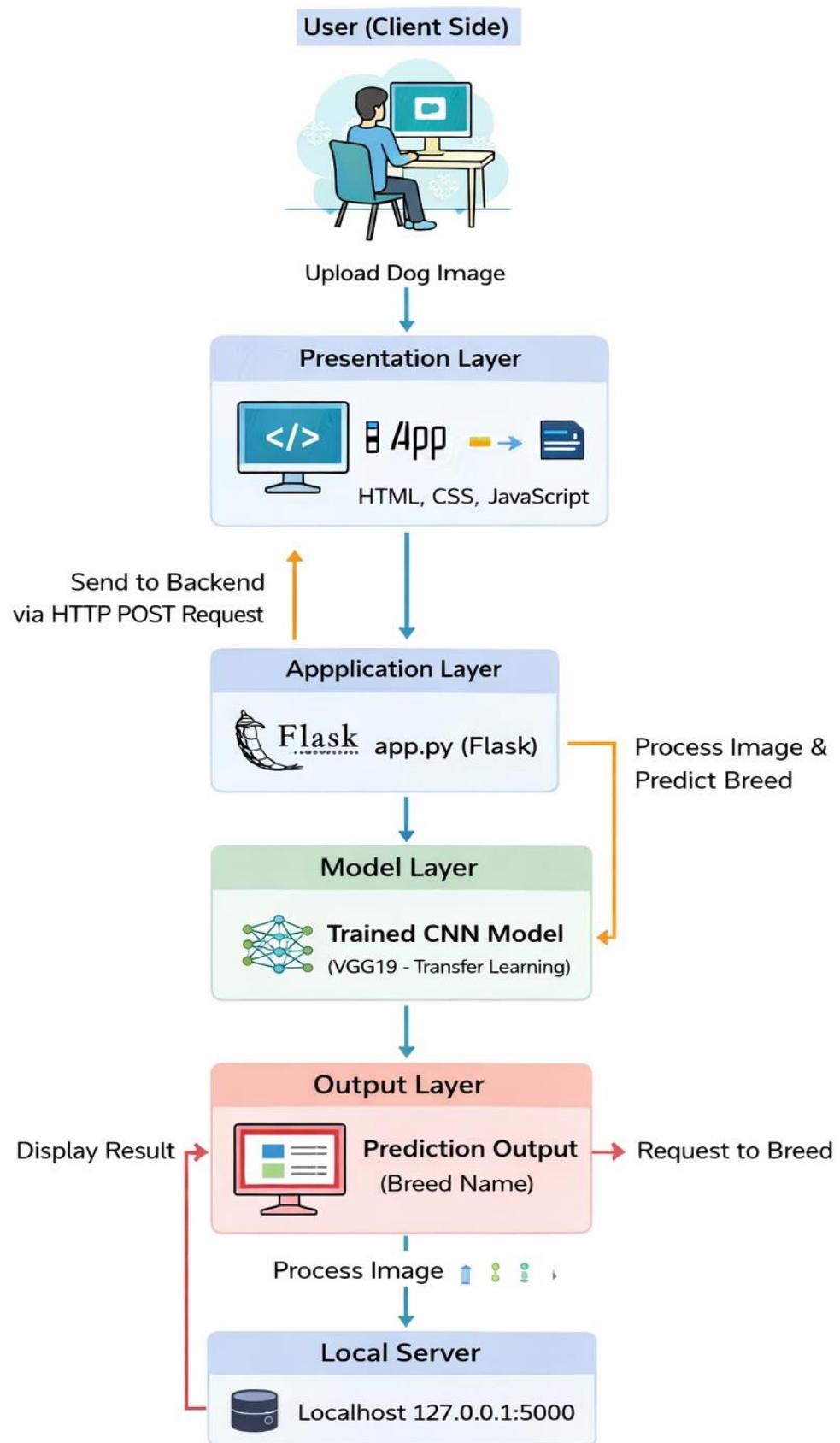
## **Solution Architecture:**

Solution architecture is a structured process that defines how different components of the system interact to solve a specific problem. It bridges the gap between the business problem (difficulty in identifying dog breeds) and the technology solution (AI-based classification system).

Its goals are to:

- Identify the best technical approach to solve the dog breed identification problem.
- Describe the structure, behavior, and interaction of system components.
- Define model training, deployment, and prediction workflows.
- Provide clear specifications for system development and delivery.

### **Example - Solution Architecture Diagram:**



Solution Architecture Diagram (Description for Your Project)