

# Project Design Phase

## Solution Architecture

Date: 15 February 2025

Team ID: LTVIP2026TMIDS91486

Project Name: HematoVision – Intelligent Blood Cell Classification System

Maximum Marks: 4 Marks

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## Solution Architecture

Solution architecture bridges the gap between the identified problem and the implemented technological solution. HematoVision follows a **Machine Learning–Driven Architecture** designed to automate blood cell classification using transfer learning.

The architecture ensures:

- ✓ Efficient data processing
- ✓ Accurate model inference
- ✓ Modular system design
- ✓ Scalable ML integration

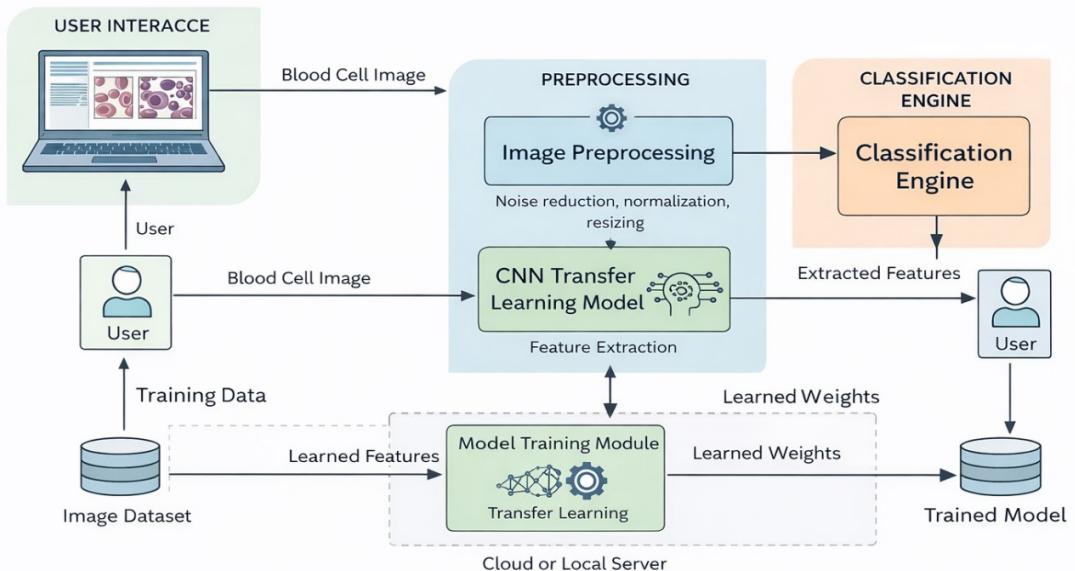


Figure 1: Architecture and data flow of the HematoVision blood cell classification system