

Data Flow Diagram & User Stories

Date: 25-06-2025

Team ID: LTVIP2025TMID35738

Project Name: Pattern Sense: Classifying Fabric Patterns Using Deep Learning

The DFD illustrates the flow of data from the user (image input), through preprocessing, classification model, and re

- Users upload fabric images.
- Images pass through preprocessing.
- Processed images are fed to CNN.
- Predictions are returned to UI.

Sample User Stories

USN-1: As a user, I can upload a fabric image to the application.

USN-2: As a user, I receive instant feedback on the fabric pattern.

USN-3: As a user, I can view prediction confidence and suggestions.