

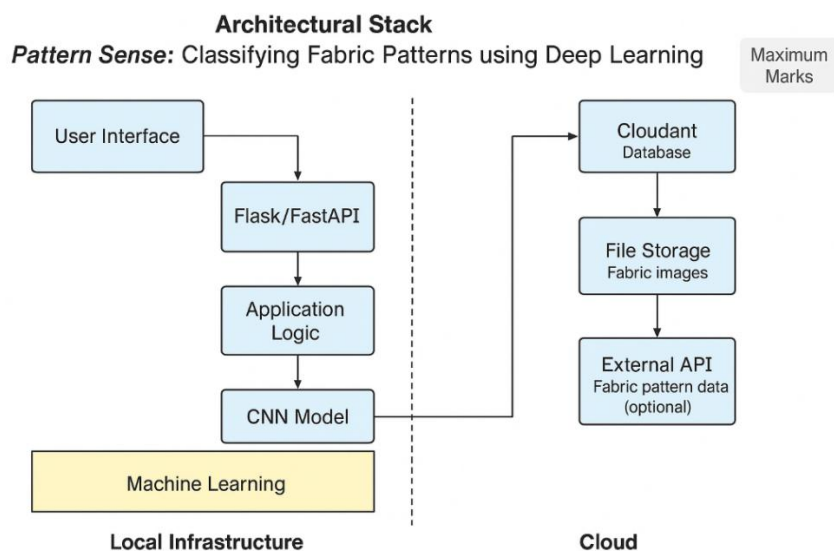
Project Design Phase Solution Architecture

Date	15 February 2025
Team ID	LTVIP2025TMID33870
Project Name	Pattern Sense: Classifying Fabric Patterns using Deep Learning
Maximum Marks	4 Marks

Solution Architecture:

The solution aims to automate the classification of fabric patterns using a deep learning model, specifically Convolutional Neural Networks (CNNs). The project encompasses data acquisition, preprocessing, model training, evaluation, and deployment through a user-friendly interface.

Example - Solution Architecture Diagram:



Reference: <https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/>