



ML Application is not a Dashboard

ML Apps:

- Take Input, Perform Processing
- Generate Dynamic Output

Types of ML Applications

1. Web Application - POC / Production
2. Mobile Application - Production
3. API - Production
4. CLI - Not used much in Production/POC

Components of ML App

1. Frontend (UI)
2. Backend (model/API)
3. Storage (data/models)

Realtime Vs Batch Application

1. Realtime - Response to user's request is Instant(realtime).
Example: Instant Credit Card Approval
2. Batch Apps - Results are provided in scheduled manner.
Example: Personal Loan Approval

Architecture Choices

1. Monolithic
2. API-first
3. Microservices
4. Serverless Architecture

Tools for Building ML Applications

1. Gradio
2. Streamlit
3. FastAPI
4. Flask
5. Next.js