## **User flow Diagram**

Step 1 – Upload

MSME uploads garment images (flat lay or mannequin).

Step 2 – Choose Model Select a virtual model from a **library of culturally tuned models** (choose once, reuse for consistency).

Step 3 – Al Processing

Diffusion models + pose transfer + ethnic styling layer generate images.

Step 4 – Review & Edit

MSME previews generated catalog, tweaks poses/backgrounds if needed.

Step 5 - Publish

Download ready-to-upload product images for e-commerce, marketplaces, and social media.

Data Sources	Social Media	E- commerce	Cluster Festivals
Data Pipeline	Kafka	Cloud Data Lake	Preprocess ing
Al Models	CV (CLIP/ViT)	NLP (BERT)	Forecasting Geospatial (TFT/N-BEATS) (Pincode)
Forecast Output	3–6 Month Trends	Pincode- level Demand	Design / Color / Category
Insights Hub	Open Dashboard	API Access	Reports