PROJECT INITIATION

Project : Virtual try-on of clothes

Proposed Approach:
The proposed project establishes a robust 2D try-on framework. This approach is seen as a foundational step towards achieving more complex 3D modeling and pose detection. The project will then shift its focus towards the development and integration of 3D human pose detection capabilities, which is a crucial step in creating a more immersive and accurate virtual try-on experience.

Step 1: Establishing a 2D Virtual Try-On Framework
The first step involves the creation of a reliable and robust 2D try-on system. This foundational phase is crucial for laying the groundwork for subsequent advancements. The 2D system will allow users to visualize clothing items on a flat representation of their bodies, enabling basic fitting and styling capabilities.

Step 2: Development of 3D Human Pose Detection
Upon successful implementation of the 2D framework, the project will advance to step two, which focuses on the development of 3D human pose detection technology. This step is essential for understanding and replicating the complex postures and movements of the human body, forming the core of a more realistic try-on experience.

Step 3: Integration into a 3D Virtual Try-On System
The final step will integrate the established 2D try-on system with the newly developed 3D pose detection capabilities. This integration aims to create an immersive and accurate 3D virtual try-on experience, allowing users to see how clothes look and fit on their personalized 3D avatars in real-time, from multiple angles and in various poses.
Each step is designed to build upon the previous one, ensuring that the project progresses towards a seamless and interactive virtual try-on experience.