

Fast and Robust Body Measurements Extraction Used in Virtual Try-On Exploration

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Abstract

We present a novel, multi-model AI-powered approach to extract any body measurement at a pixel level, with 5 millimeters precision. Our Virtual Assistant guides the user in real-time to take two full-body photos. Our state-of-the-art Deep Learning pipeline extracts body measurements from two images using custom datasets. It uses them to dynamically and accurately build a high-fidelity 3D Model of the user's body, enabling quality visualizations of the extracted body dimensions. Finally, we will allow the user to access a True Virtual Try-On experience using their 3D Model to view how clothes of different sizes would fit them.