

Virtual Try-on for Clothes using Deep Neural Networks

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Abstract: *Virtual Try-on for Clothes using Deep Neural Networks has been an active area of research in recent years. With the advancement of computer vision and deep learning techniques, it is now possible to create realistic simulations of clothing items on human bodies, allowing customers to try on clothes virtually before making a purchase. This technology has the potential to revolutionize the way we shop for clothes, saving time and reducing waste. In this paper, we review the state-of-the-art virtual try-on techniques and discuss the challenges and limitations of this technology. We also propose a new approach based on a deep neural network architecture that can accurately simulate the fit and appearance of clothing items on different body types. Our proposed method outperforms existing techniques in terms of realism and accuracy and can be used as a tool for virtual wardrobe management, online shopping, and personalized styling.*

Keywords: Deep Neural Networks, Convolutional Neural Networks, Computer Vision, VITON, GAN, STN

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