
STYLE TRANSFERRED SELFIES

A PREPRINT

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ABSTRACT

Neural Style Transfer has become a popular application of Computer Vision and has been utilized to synthesize stylized images. The content image and the style reference image are accepted as input to generate a new image that retains the content of the original image but follows the style of the reference. In this project, we aim to stylize only the desired object portion in the images. We will implement this by using image segmentation to separate the desired object and the background; transferring style to either the object or the background. We also plan on stylizing both object and background separately using different style references. The project effectively aims to showcase the possibilities of combining Image Segmentation and Neural Style Transfer techniques.