

School of Computer Science and Engineering College of Engineering

Digital Makeup Using Machine Learning Algorithms

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Makeup Transfer Examples



Source Image



Target Image



Result Images

Project Objectives:

In this project, a digital makeup algorithm is created using machine learning algorithms to allow users to digitally apply makeup to their portrait images. Users are able to select their choice of images and utilise this algorithm to transfer makeup or hair colour from a target image to a source image. Additionally, a Graphic User Interface (GUI) is also created. This aims to reduce the amount of time and effort needed for users to polish facial images.

Digital Makeup Transfer GUI

🗞 Digital Makeup Transfer GUI	2 -	()	×
Select Source Image Browse Load Source Image			
Select Target Image Browse Load Target Image		D	
Select Choice of Algorithm and Type of Transfer		Result Im	age
Simple Algorithm Hair Color Makeup Iterative Algorithm Hair Color Makeup Exit			

Types of Transfer:

- Hair Colour Transfer
 - Makeup Transfer

Types of Algorithm:

- Simple Algorithm
- Iterative Algorithm

