PROJECT TOPIC: Drag and Drop in Augmented Reality

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About the Project

The Problem Statement:

It is quite complex to grasp visual and paste it into another System. And for that Augmented Reality can be a perfect tool to quickly grasp visual from the real world and paste it into digital documents. The other problem can be fiddling around emailing images to yourself or cutting out object to photoshop.

It would certainly make a nice addiction to the only other AR application that seems to have much practical use: Seeing what clothes, furniture, and makeup look liek pasted onto your face and / or house. And it neatly reverses the usual AR paradigm. Instead of projecting digital images into the physical world, it brings the physical into the digital.aspect of our life and it can affect our whole future.

Motivation:

Reason for choosing this topic is to get hand on experience on the functionalities augmented reality. And also, to get to learn the AR technology. It enables the student to visualize the 3D model in a simulated environment, in real time and at scale. Therefore, it is entertaining and relevant for the student to learn.

Objective of the Project:

The main objective of this project is to take a snap of real-world object, have it cut out of its background, and pasted into Photoshop. Through this project user will able to get resolve with the problem of transferring the images or any object from one device to another. Through this technology they can just take snap of their respective object and paste into the other system or we can say taking griping visual from the real world and paste into another digital document.

Resources used:

- Deep neural networking
- U^2 Net algorithm
- python3
- OpenCV
- machine learning
- AR
- Pytorch
- NumPy
- pandas