**What is your email ID?**

**Virtual Try On**- keep it simple.

Build and Dress avatar for Virtual Try-on

We are seeking a skilled Python developer with appropriate experience (media pipe, open CV)  to create a lightweight standalone web-based application with the goal of users 1) virtually measuring themselves and 2) Virtually trying on tight body-fitting clothing for a [looking in the mirror] experience.

Technology

Python, Html 5.0 mobile-centric and compatible with all devices.

Here is the workflow.

Measure: The user takes photos with a phone [depth] camera where **critical body landmark data** are extracted and stored. NO IMAGES are stored. NOTE- this component is a standalone feature.

Avatar: The user uploads a photo of a headshot where a 2D/3D avatar is created with step 1 user data along with the correct color tone and hair of this photo.

Backend: Conduct semantic insemination of model images extracting the clothing item.

Backend: Generate a 3D mesh of the garment in appropriate colors and bitmaps with key points associated with the model of potential future mesh modifications.

Dress: The user adds clothing onto Avatar 3D/2D, which maintains body proportions, tones, and hair for a natural look vs. product catalog.

Background: The user changes the background to the desired color with the ability to share via social.

The end goal is to work similarly to <https://www.zyler.com/> under [How it works For Customers] on that landing page.

-note - Our content is supported by Ads.

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Example of a MODEL image that users will try on to see how they will look.

**LAYOUT**

|  |  |
| --- | --- |
|  |  |
|  | STEP 0  User Sign-in Required |
| Skip Ads   |  |  | | --- | --- | | Ads | **AVATAR** Add/Edit 3D Avatar | | Next >  Measure in 2/3 steps with your phone camera | | 1.Measure |2.Avatar | 3.Dress | 4.Background | | Ads |  | | STEP 1  User Measure  —-------  Key body landmarks from a photo taken |
| Skip Ads   |  |  | | --- | --- | | Ads  Add/Edit 3D Avatar | Add/Edit Photo | | Next >  Upload/take picture of the look your going for | | Measure Avatar | Dress |Background | | Ads |  | | STEP 2  -Use photo + measurement data to create proportionate avatar  -  Link user face to account, prevent users from switching to someone else for the same account |
| Skip Ads   |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Ads | Tights?   |  |  | | --- | --- | | None/Skip | | | Type | Color | | T2 | C2 | | T3 | C3 | | T4 | C4 | | |  | | Measure | Avatar | Dress | Decorate  Tights Costume Footwear | | Ads |  | | STEP 3a  -option for user to add tights on legs for privacy  -User selects Tights by selecting type and color  -4Type, 4 Color |
| Skip Ads   |  |  | | --- | --- | | Ads | ADD COSTUME  Add Costume | | Add Costume + Drag arrows to adjust fit. | | Measure| Avatar | Dress | Background  Tights Costume Footwear | | Ads |  | |  |
| skip Ads   |  |  | | --- | --- | | Ads | BACKGROUND | |  | | Measure | Avatar | Dress | Background  Color Rotate | Crop | | Ads |  | | STEP 4  -User can change background  -Flip image orientation |
| skip Ads   |  |  |  | | --- | --- | --- | | Ads | | Save & Share  Add hellocarnival.com vertical | | [Section Name]  Carnival Year - Band Name | | | Measure | Avatar | Dress | Background Share | | | Ads |  |  | | 5.  FInalized product save on profile: The user can share a download from there. |
|  |  |
| **TRY ON -**  **WHAT IS TRY ON?**  TryOn by HelloCarnival is a magical feature that allows users to virtually Try On Carnival Costume from anywhere.  **HOW DOES TRY ON WORK?**   1. Avatar - Snap your dimensions 2. Photos -Upload a pose your look 3. Dress your self 4. Look - Edit background, orientation, etc. 5. Done - Save and share | Pop up, when Try On| How is clicked on |
| **End**  Virtual Try On Requirements |  |
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**How does it work?**

1.-User takes 2 photos in tight-fitting clothing to create a 3D avatar of their stats and body outline. A script will use their stat to adjust their body proportions to match the original model pose.

2.-User takes a profile picture and upload the picture of how they would like to look in the virtual try-on

3.-User makes adjustments in costume, background, etc

4.-Save creation to HelloCarnival Profile. Users can download and share as needed.

**Here is an example of 3D**

<https://3dlook.ai/>

<https://youtu.be/k5V79sNFMAU?feature=shared>

Here is an example of TryMe

<https://www.zyler.com/>

<https://johnlewisfashionrental.com/items/deborah-maxi-dress> click try it on