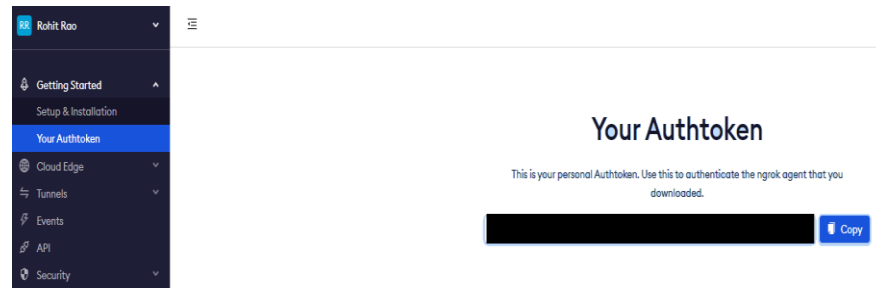


Setup

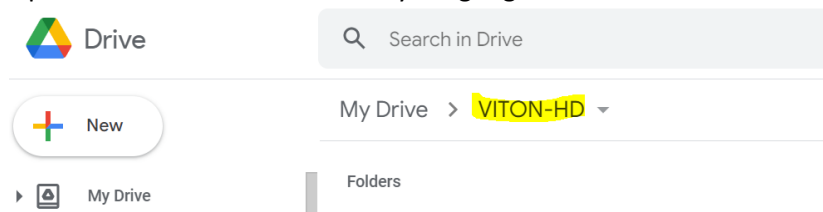
1. Prerequisites:

- a. ngRok Account Setup:
 - i. Create ngRok account - <https://dashboard.ngrok.com/login>
 - ii. Make a note of the AuthToken from ngRok dashboard:



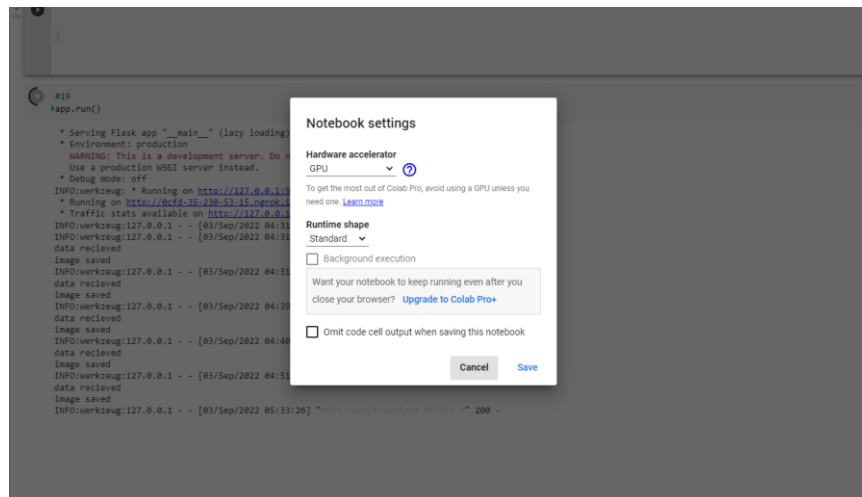
We will be using it later in the setup (pre)

- b. Background remove API setup - <https://www.remove.bg/dashboard>
 - a. Open URL - <https://www.remove.bg/dashboard#api-key>
 - b. Make a note of this API key, We will use it post setup
 - c. You can use maximum 50 API calls (Free)
 - d. If you have your own background remove API, you can consume that instead using this API. We will show it later in the document.
- c. Create an account on: <https://colab.research.google.com>
- d. Copy VTON_HD to your google drive:
 - i. Download the folder from [VITON-HD - Google Drive](#)
 - ii. Make sure that all the content is in folder “VITON-HD”
 - iii. Upload this folder to the root of your google drive.



2. Setup:

- a. Clone this repository
- b. Login to google collab account
- c. Copy or open file <https://github.com/practice404/clothes-virtual-try-on/blob/main/setup.ipynb> in your collab notebook.
- d. Change the runtime of your google collab to GPU.
 - i. Go to Runtime -> Change runtime Type
 - ii. Set the hardware accelerator as below:



- e. In the opened/copied **setup.pynb** file in google collab, go to step #4 for ngrok installation and update the auth token
 - i. Search for the text “YOUR-NGROK-AUTH-TOKEN-HERE” and replace it with your **ngrok** auth token mentioned in “#1.a”
 - ii. Run all the steps (cells) of “**setup.pynb**” file one by one
 - iii. After executing all the steps, In the last step, you can see that this api has deployed on ngrok url. Click on URL, which is generated by last step:

```
#19
app.run()

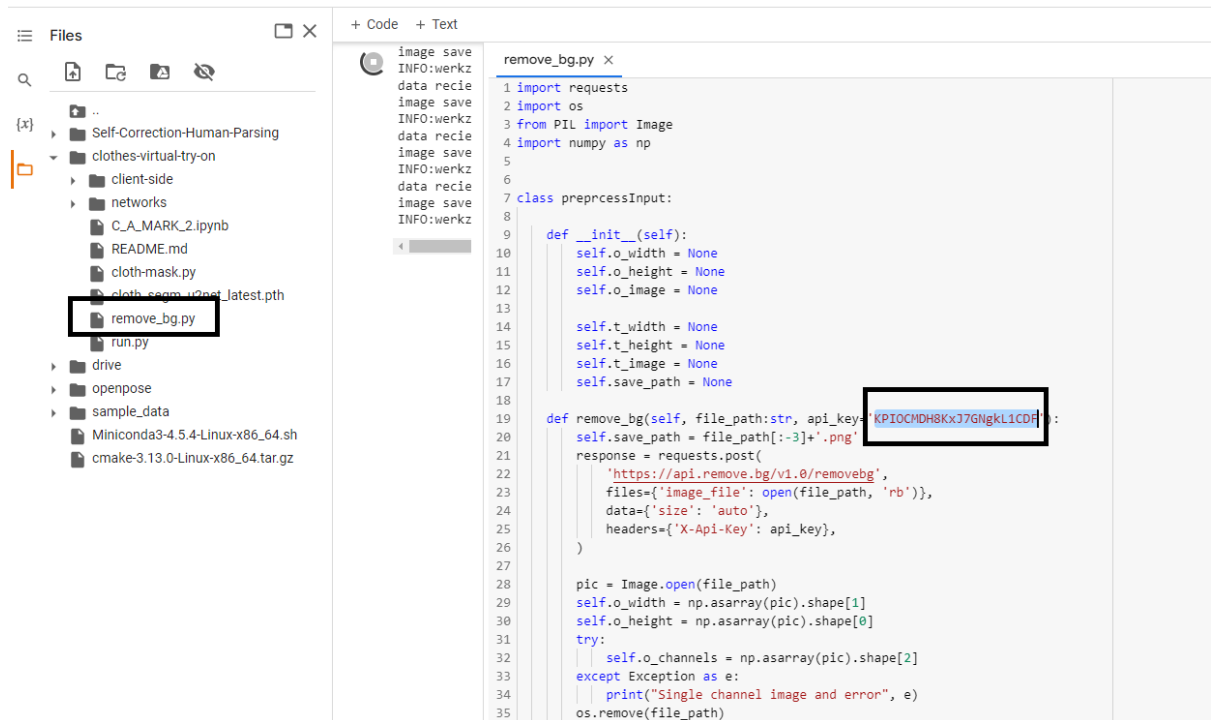
* Serving Flask app "__main__" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
INFO:werkzeug: * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
* Running on http://0cfd-35-230-53-15.ngrok.io
* Traffic stats available on http://127.0.0.1:4040
INFO:werkzeug:127.0.0.1 - - [03/Sep/2022 04:31:02] "GET / HTTP/1.1" 200 -
```

It will show the response as below:

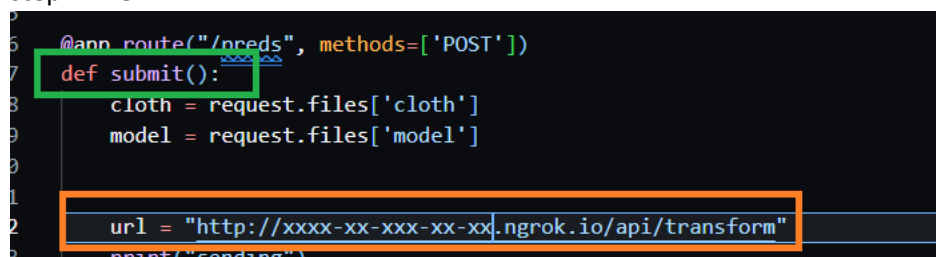
"Your API has deployed successfully"

NOTE: We will use this API URL in the client application

3. Post execution of all the steps in setup, update the “Remove background Api” key in the file “remove_bg.py”
 - a. Open file “remove_bg.py” as shown below:



- b. Replace the **api_key** value with “**replace background api**” token, mentioned in step “**#1.b**”
 - c. Save the file.
4. Setup Client application (Implemented using Flask):
 - a. Open the client application from cloned repository. The path is “**clothes-virtual-try-on/client-side/**”
 - b. Open the file “**app.py**”
 - c. Go to “**submit**” def & update the API URL with the ngrok hosted URL, generated in step “**#2.e**”:



- d. Save the file
 - e. Run the client application and Test the results by uploading cloth and model images.