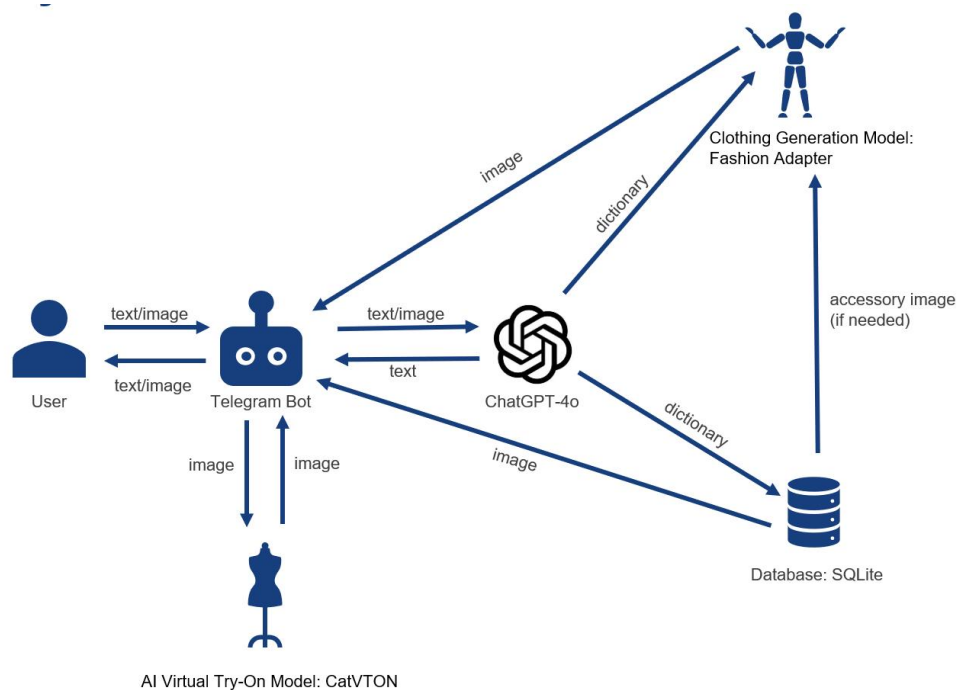


# MASTER OF TECHNOLOGY USER GUIDE

## CETA:

Fashion agent for Clothing Editing and Try-on Application



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# Installation and User Guide

## 1 Installation

You can install the virtual environment by executing the following instructions:

```
conda create -n CETA python==3.9.0
conda activate CETA
pip install diffusers==0.22.1
pip install git+https://github.com/tencent-ailab/IP-Adapter.git
cd CETA/Catvton
pip install -r requirements.txt
```

Then you can download the required models and put them into CETA/models:

- CLIP-ViT-H-14: <https://huggingface.co/laion/CLIP-ViT-H-14-laion2B-s32B-b79K>
- Fahion-sd-2.1: <https://huggingface.co/Zhangwq76/fashion-adapter/tree/main/fashion-sd-2.1>
- Catvton: <https://huggingface.co/zhengchong/CatVTON>
- stable-diffusion-inpainting: <https://huggingface.co/booksforcharlie/stable-diffusion-inpainting>

Now you can start the robot by running:

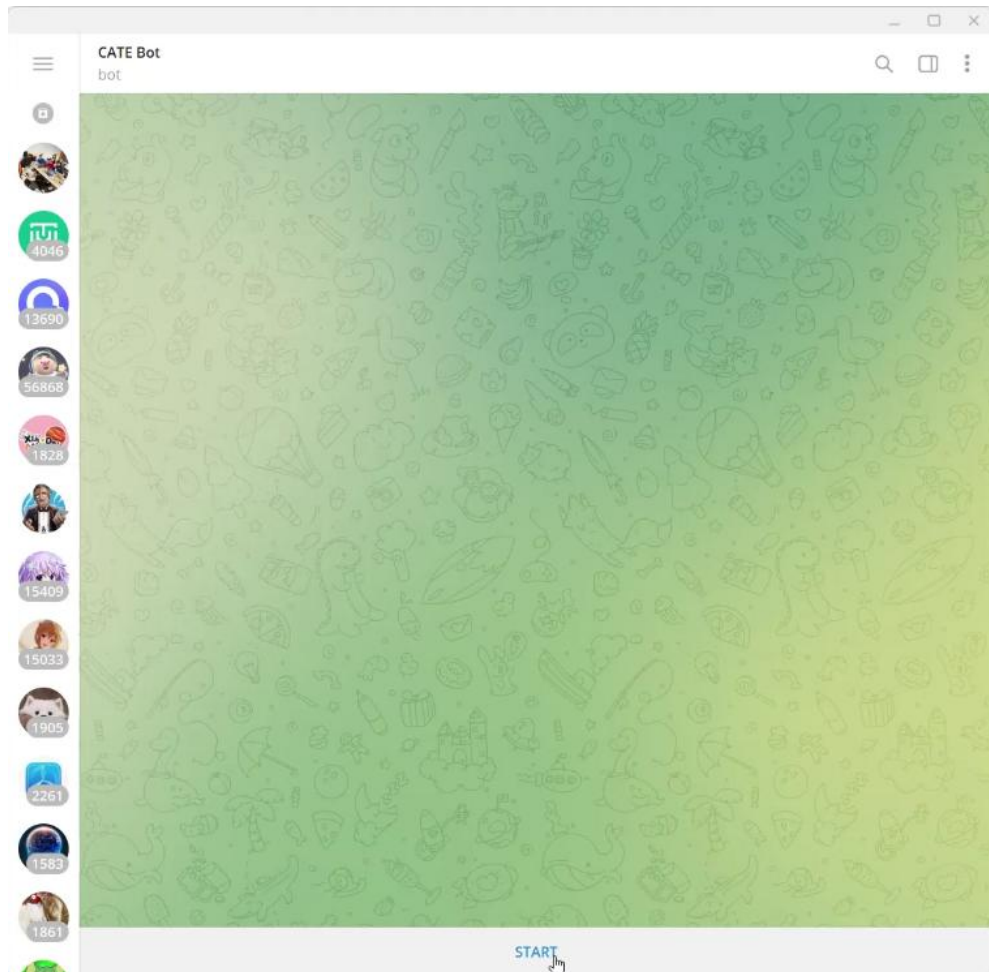
```
cd CETA/TelegramBot
python bot.py
```

Then open your Telegram and search @CodeAllNight\_bot.

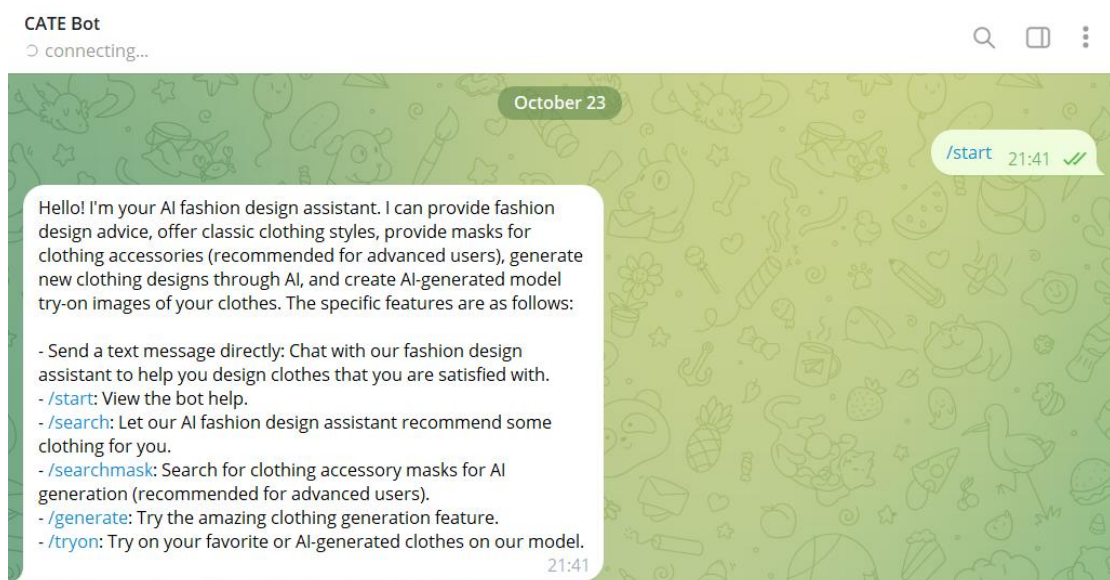
## 2 User Guide:

Now you open the telegram robot, you can talk to it now !

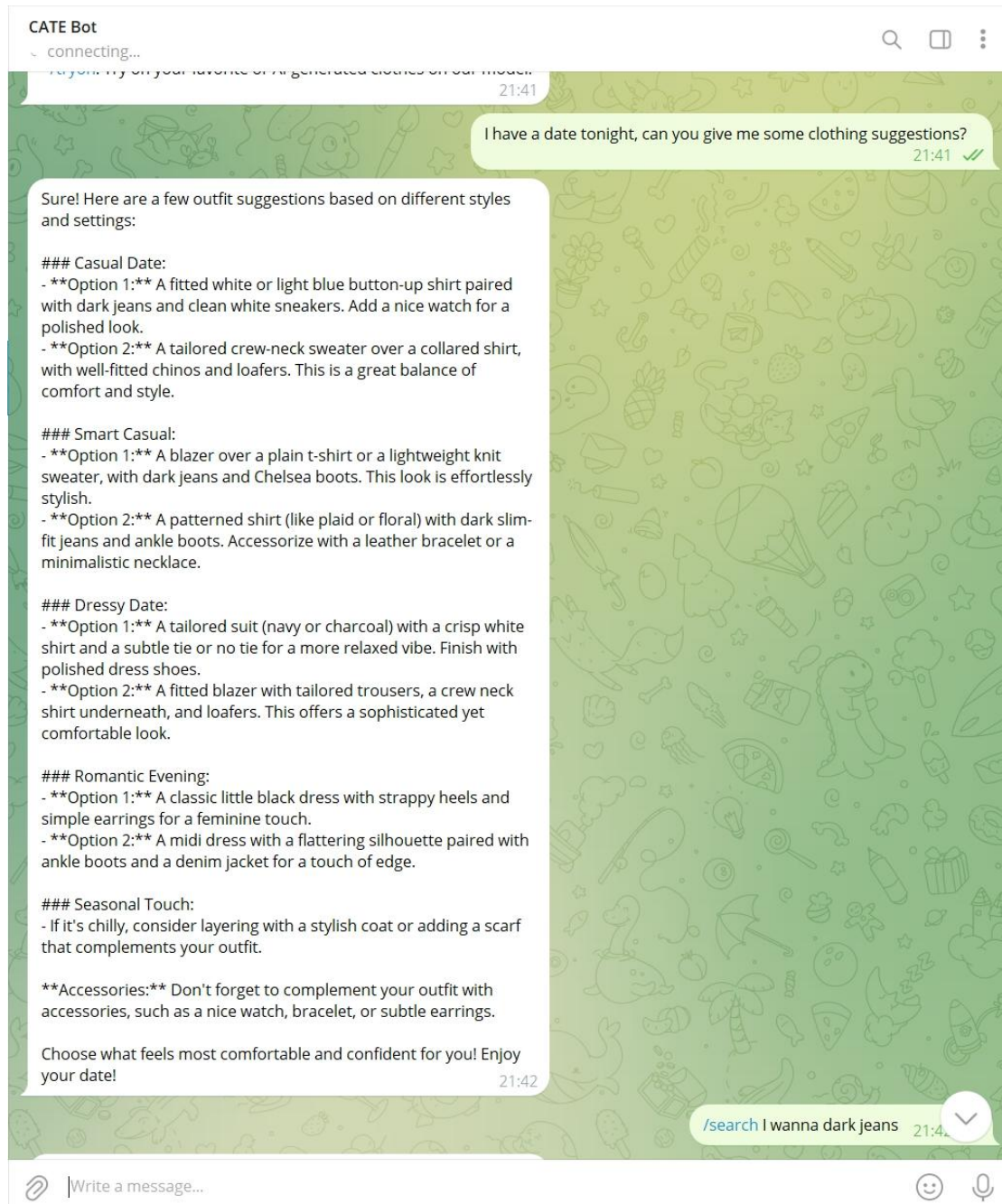
You will see the screen like this:



By pressing the start bottom, the robot will automatically send a guideline to you



You can simply ask for advice:

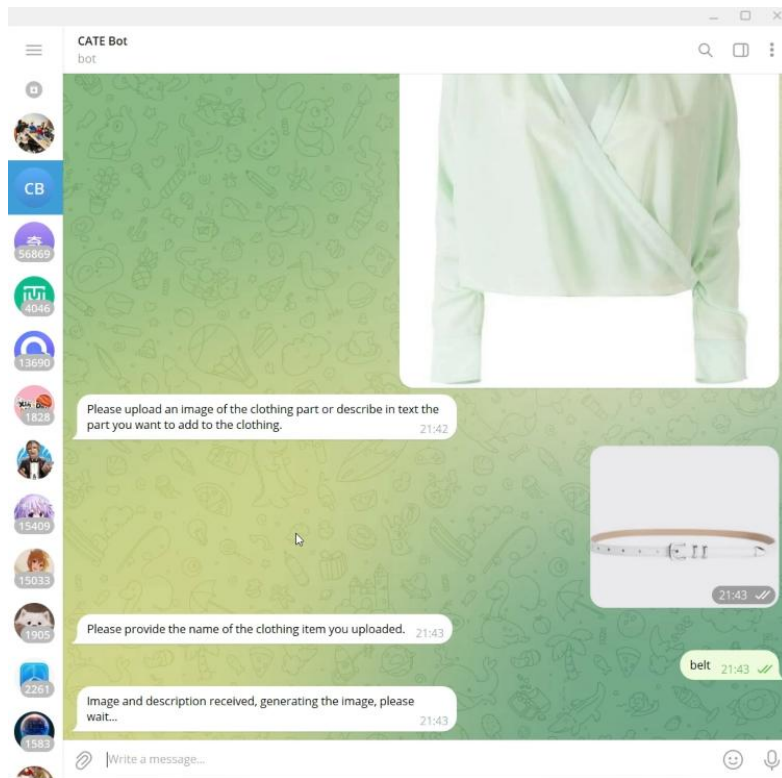


Or you have already had ideas about today's outfits, you can ask it to search for you by using  
"/search" command

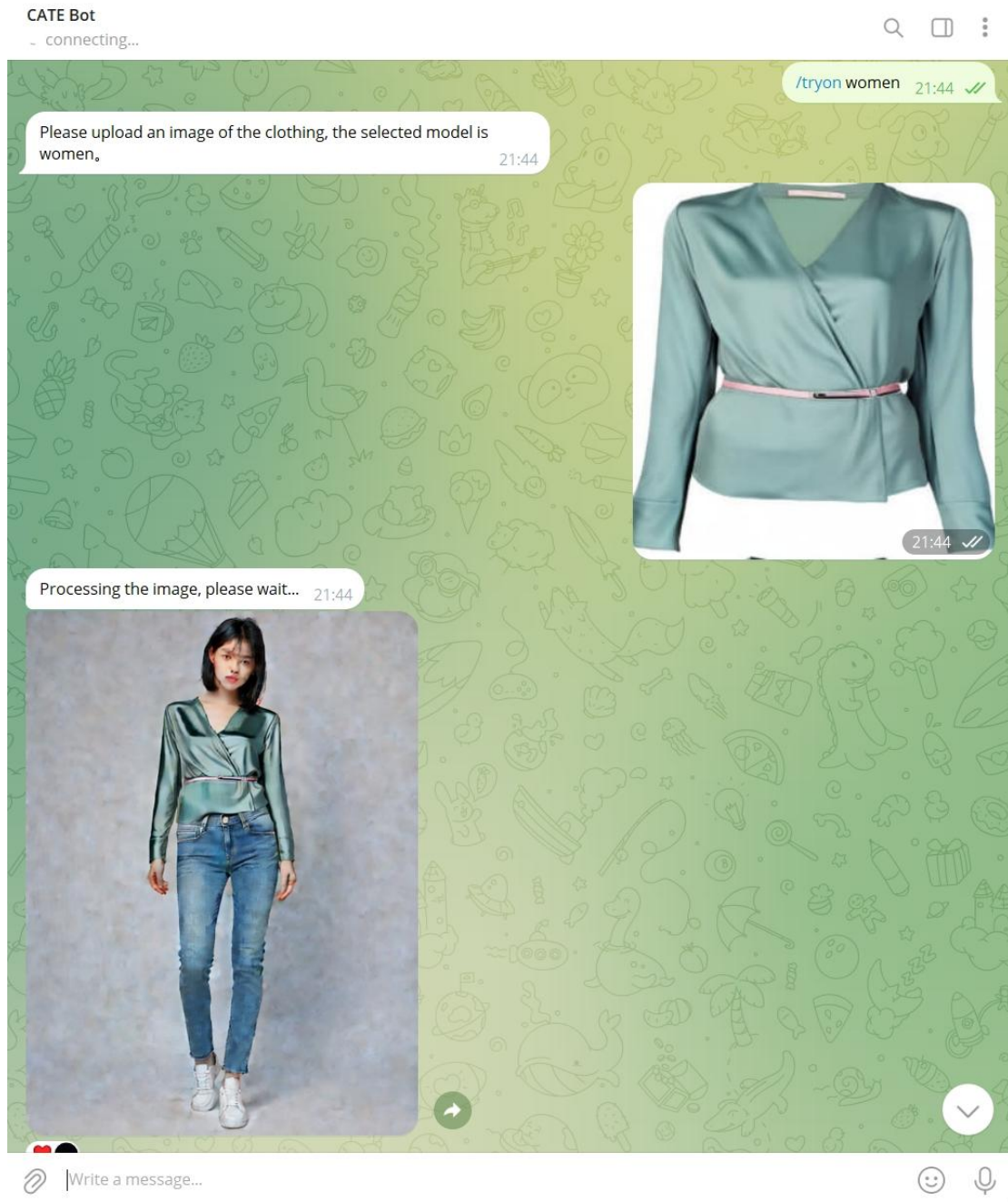


If you are unsatisfied about your garment or the garment it provided, you can use command “/generate” to edit the clothes. You can either use image condition or text condition to edit it. While using text condition, the robot will search the corresponding components in database to replace the text condition into an image one, so that the generation model will always receive image conditions.





Fashion Adapter will generate 8 pictures in one time, you can pick your favorite one and use command "tryon" to specify a model to try on and do a virtual try on.



### 3 Reference

[IP-adapter](#)

[CatVTON](#)

### 4 Data Source

ARMANI: Part-level Garment-Text Alignment for Unified Cross-Modal Fashion Design:

[2208.05621 \(arxiv.org\)](#)