FASHION REDIFINED WITH VIRTUAL GROOMING AND SHOPPING ASSSISTANT

DOCUMENTATION

INTRODUCTION OVERVIEW

The fashion industry was among the first to recognize the value chatbots can bring to its online commerce. A chatbot in ecommerce can supply that missing link between the customer and the retailer creating a personalized approach to each user while keeping the convenience of online shopping. We come across chatbots for Burberry, Tommy Hilfiger, Sephora, Victoria's Secret, Estée Lauder – this is just a short list of brands using chatbots for interacting with their customers. At the present time, celebrities are setting the trend. For example, Megan Fox has a fantastic dressing sense, which is more than enough to make the hearts of her fans skip a beat. Believe it or not, girls are always more concerned about their attire as compared to boys. This could be the prime reason why girls take extra hours while shopping..

PURPOSE

A chat bot in e commerce can supply the missing link between the customers and the retailer creating a personalized approach to each user while keeping the convenience of online shopping many leading fashion

And beauty brands have already adopted the chat bot technology to create an individualized customer experience

LITERATURE SURVEY EXISTING PROBLEM

In this modern era, everybody wants to be dressed up in a way that reflects 'Swag.' Evidently, your nature decides who you are, not your clothes. But at the same time, there is no loss in raising your fashion standard. At the present time, celebrities are setting the trend. For example, Megan Fox has a fantastic dressing sense, which is more than enough to make the hearts of her fans skip a beat. Believe it or not, girls are always more concerned about their attire as compared to boys.

PROPOSED SOLUTION

E-Commerce platforms is a perfect place to buy clothes due to more variety. However, online shopping isn't as easy as it sounds. Usually, customers are confronted by issues related to size, availability, etc. To overcome such problems, the fashion industry is using applications of artificial intelligence. Because of AI, nowadays, people are enjoying an amazing shopping experience.

To make e-commerce shopping experience easier we propose creating a chatbot that can :

Easily study patterns from the interaction that the bot made with a user.

Analyze and comprehend the context of the chat, to predict a user's preferences and interests.

know what style of outfit a user intends to purchase.

Dig its database to find the right match depending on user preferences.

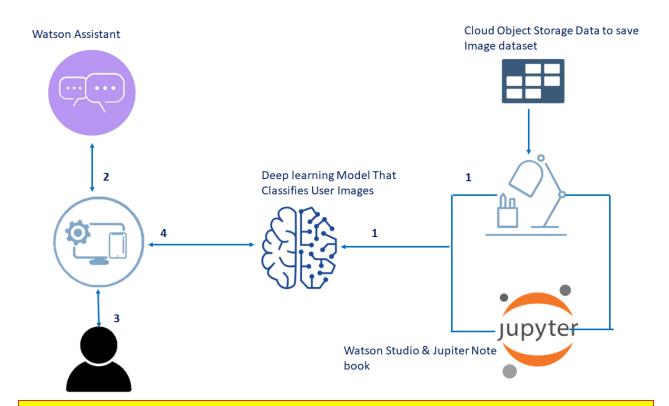
Can continuously throw different questions to users and keep them engaged to gain access to user details about their choices.

Implement image analysis to recommend the perfect outfit according to the user's physique and style preferences.

Implement Virtual search to display the desired apparels.

THEORITICAL ANALYSIS

BLOCK DIAGRAM



HARDWARE/SOFTWARE

we have used spyder and anaconda prompt and jupyter notebook in this project

DESIGNING

AI and Machine Learning pave a new domain of possibilities in the Fashion industry, from Data Analytics to Fashion Chatbot as your personal stylists. You can leverage chatbot technology to your fashion industry which will have the following benefits

Chatbots recommends products to a user based on their preferences

By virtue of visual search, it gets easy to reach the desired clothes. All you need to do is take a picture of your preferred garment and upload it online to know about its availability

Similar to voice assistants, virtual personal stylists are also out there to help you while shopping for some trendsetting clothes

EXPERIMENTAL INVESTIGATIONS

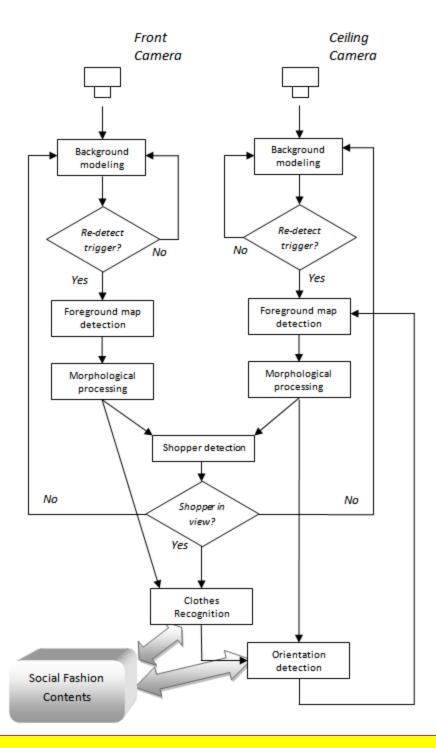
we have refered following websites before doing our project

1.

<u>https://smartinternz.com/guided-project/fashion-redefined-with-virtual-grooming-shopping-assistant</u>

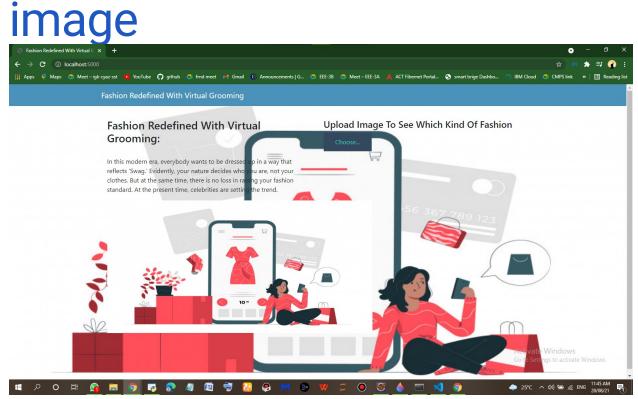
- 2. https://inspora.com/en/
- 3. https://www.countants.com/blogs/ai-and-machine-learning-for-fashion-industry-global-trends-benefits/

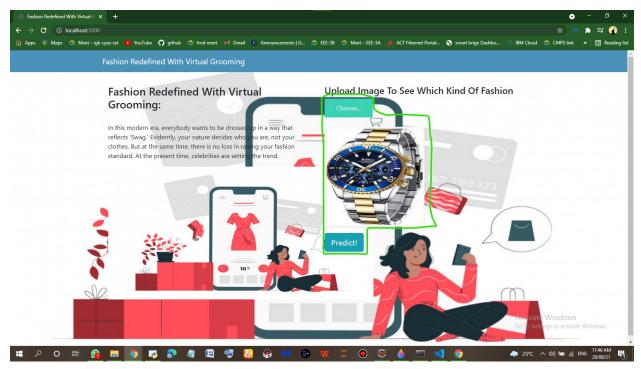
FLOW CHART



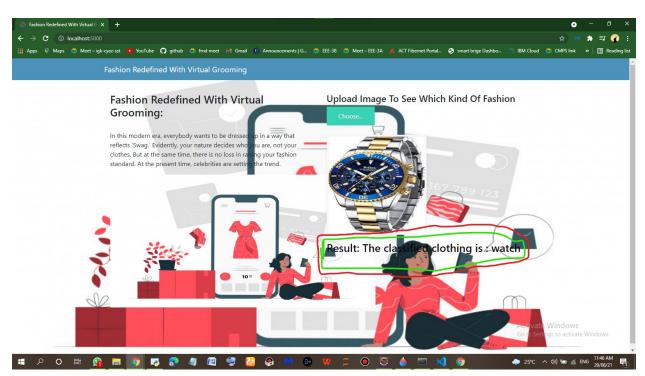
RESULT

here it is asking to uplaod the





here we have given the image and next predicting it



here we got the output as the classified clothing is watch

ADVANTAGES AND DISADVANTAGES

- **adds security**
- **automates** service
- **Creal time benefits**
- **Oprivacy concerns**
- **©**extreme circumstance
- ******reduction
- **less** man power through automation
- **☆**<u>improves inventory management</u>

applications

Alibaba

The China-based fashion retail giant, Alibaba have since 2018, adopted technologies that have revolutionized their shopping experience. With the launch of their first FashionAl store, the company introduced in-store features including smart garment tags, intelligent mirrors, along with Bluetooth chips embedded within every product.

Tommy Hilfiger

In partnership with IBM, Tommy Hilfiger pioneered the "Reimagine Retail" project that equips fashion designers with AI skills for designing. As a result, fashion students could learn a plethora of technical skills like natural language processing (NLP) or computer vision to design personalized clothing.

With the use of AI, fashion students could learn from thousands of fashion-related images that enhanced their creativity and reduced lead times for the fashion brand.

Macy's

Launched first in July 2016, Macy's Al-powered shopping assistant was aimed at improving customer's in-store shopping experience. Using NLP, Macy's "On Call" tool is able to respond to common customer queries like "Where can I find women's footwear" or navigate to the location of their retail stores in the U.S.

Amazon

With its Al-powered product recommendation system, this eCommerce giant has definitely revolutionized the online shopping experience. With its foray into using Al for fashion, Amazon is deploying an Al-enabled fashion designer algorithm that can design apparel by copying the design styles of many in-vogue clothes and applying them to a new clothing item.

conclusion

Through product personalization or better designing, there are multiple ways in which AI and machine learning technologies are impacting the global fashion industry. The increasing investments by leading fashion brands in these

technologies are proof of their immense business potential.

Through its customized solutions in AI and machine learning, Countants has enabled several companies leverage their investments in these technologies. Our machine learning tools have helped customers improve productivity and scale up their existing operations. Contact us now and leave behind your business queries. We would love to respond to you.

future scope

The use of AI in the fashion industry of 2020 has become so well entrenched that 44% of the fashion retailers (who have not adopted AI) are today facing bankruptcy. As a result of this, global spending on AI technologies by the fashion & retail industry is expected to reach \$7.3 billion each year by the year 2022.

BIBILOGRAPHY

Refrences:

https://www.countants.com/blogs/ai-and-machine-learning-for-fashion-industry-global-trends-benefits/

source code

