1 INTRODUCTION

This app will act as a virtual shopping companion with personalized grooming assistance up to date with the latest fashion trends. Chatbot structure ensures the app is simple and user friendly. Various items that satisfy the requirements specified by the user like budget, occasion etc., are compared. App displays a choice of clothes and accessories that complements the person's looks, and helps users be the better version of themselves

2 LITERATURE SURVEY

Smooth Minimalistic design would be adopted to make sure it is user friendly.The Chatbot would be created with the IBM Watson Assistant platform.
Data would be collected from various sources (mostly open-source datasets would be utilized)
Basic AI and Data science skills will be put to use in Image Analysis and Recognition part of app development, alongwith assistance from some IBM Services.

App layout and UI would be created first and then integrated with a basic Chatbot Structure.
Samples of such other apps in the market would be studied and we would set aside time to identify and compile datasets that prove useful for the development of the App. Major portion of the time would be dedicated to explore and implement various algorithms that would help in image analysis according to the requirements of the App. This Image Recognition and Analysis system would be added to the chatbot along with further modifications such as additional questions or conversation templates.
Once all the integrations are done we plan to run a Beta test with the app. The Bugs and Errors would be fixed if any. And then the App would prove as an enjoyable virtual Shopping companion to the users.

3 THEORITICAL ANALYSIS

Block Diagram:

Software used:

1. Android Studio
2. Flask
3. Watson Chatbot Assistant
4. Watson Text to Speech
5. Watson Speech to Text

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4. EXPERIMENTAL INVESTIGATIONS

Due to the pandemic, shopping has been limited to online methods. Customers find it unsatisfying not being able to determine what suits them better unlike the pre lockdown period when the shop assistants or friends helped with such selections.Even with the return policies offered, without efficient shopping assistance wastage of time and money is prevalent.
This app acts as a virtual shopping companion which suggests the right choice of clothes and accessories for the customer in sync with the current fashion trends.With an easy to use chatbot structure it makes online shopping more enjoyable, time-saving and efficient.

FLOWCHART

Diagram showing the control flow of the solution

5.

RESULT **The Image uploaded in the Ui is accurately predicted by the CNN Classsification model(with about 90% accuracy) and the User is able to identify the apparel. The chatbot embedded in the webpage helps the user easily find tips and tricks for a sharper and impressive look.**

6. **ADVANTAGES & DISADVANTAGES**

Advantages:

1. **The suggestions would be irrespective of the ongoing trends and purely based on the choice of the person, thus paving way for the perfect option.**
2. The interface would be user friendly and would be a perfect solution for people seeking fashion suggestions as privacy is maintained and it can be accessed anywhere.
3. No risk of any information getting stored .

Disadvanges:

1.Even a minimal scope of error in results may change the judgement or mindset of people.

2.

7. **APPLICATIONS**

The application is actually a priceless and economical epitome of use of technology and ML as it can be accessed anywhere like any normal website. The results can be derived for any occasion as nearly ever domain is included in the dataset.

The main advantage would be that people would believe in the uniqueness of fashion sense and the suggestion will enhance people to explore in the fashion world and not follow something due to peer pressure of a trend.

CONCLUSION

If created with the help of an accurate neural networking model and an interactive chatbot such fashion recommendation system could el

8. **FUTURE SCOPE**

More recommendations could be included for different shopping styles for men and women alike . A model could be trained with more images of latest trends and we could include accessories with it for further help in grooming the users.

11 BIBILOGRAPHY

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APPENDIX

A. Source Code

Attach the code for the solution built.