SMART FASHION RECOMMENDER APPLICATION

RELEVANT BASE PAPERS:

TITLE	A Novel Approach For Ontology-Driven Information Retrieving Chatbot For Fashion Brands	Chatbot design approaches for fashion E-commerce	Recommender Systems in E-Commerce
METHODOLOGY USED	Resource Description Framework (RDF) Schema and Web Ontology Language (OWL) VOWL and OntoGraf SPARQL . Jena	New algorithms related to Natural Language Processing (NLP) like Machine Translation,Text Classification Named Entity Extraction, digital communication and consumer management.	AIS, SETM, Apriori and variations of the latter., Matrix factorization-based algorithms, deep learning methods, and clustering algorithms.
ADVANTAGES	It resolves the problem for fashion industry through developing clothing brand ontology, yielded through the handcrafted dataset of 5000 pairs of questions/answers, and integrating it with a conversation agent to facilitate online customer	It is very helpful in providing answers to frequently asked questions, such as the delivery conditions, the refund policy, the store locations, etc.	It allows the active user to get recommendation based on products that users with similar interest have purchased and rated positively, and by using the active user's previous ratings and transaction history to build a model that provides a new set of similar products
DISADVANTAGES	It is limited to only ten clothing brands and provides concern areas information to customers	Users are limited in communication, and have a low level of speech recognition.	It is an extremely difficult task to provide recommendations when the user has been browsing and purchasing anonymously

PROBLEM STATEMENT:

This project is to facilitate the customers who need the latest information about brand facilities such as packages, discounts, sales,prices, varieties, online shopping, home delivery services,etc. The Chatbot also covers all necessary and general information relevant to clothing brands like dress designs,fabric stuff, the material used in the product, accessories,and services like home delivery, return, exchange, discounts, sales, and, etc.