SMART FASHION RECOMMENDER

Date	10 October 2022
Team ID	PNT2022TMID11984
Project name	Smart Fashion Recommender Application
Maximum Marks	2 Marks

Literature survey & information on the project:

With an increase in the standard of living, peoples' attention gradually moved towards fashion that is concerned to be a popular aesthetic expression. Humans are inevitably drawn towards something that is visually more attractive. This tendency of humans has led to the development of the fashion industry over the course of time. However, given too many options of garments on the e-commerce websites, has presented new challenges to the customers in identifying their correct outfit. Thus, in this project, we proposed a personalized Fashion Recommender system that generates recommendations for the user based on an input given. To overcome the navigations in the applications, we proposed a chatbot which makes a convenient shopping. The chatbot interacts with the user and provides the customized recommendations. This project mainly involves in the filtering of products for the user's convenient and acts as a perfect shopping companion. As evidenced by the experiment, the proposed system outperforms in effectiveness on mass fashion information in the virtual space compared with human, and thus developing a personalized and diversified way for fashion recommendation.

S. No	Title	Abstract	Reference
1	A Semantic Approach for Fashion Recommendation Using Logistic Regression and Ontologies	Due to the increased prevalence of web recommendation systems after years of research, it has unarguably become the ultimate solution for efficient functioning of any ecommerce or user supportive digital domain. Though a variety of algorithms have been tested to meet the expectations of users in order to be decision supportive, this paper proposes a potential framework for recommendation of men's clothing. The focus of the system is to improve the efficiency of the recommendation to cope up to the speed of the user's thought process and expectations.	A Semantic Approach for Fashion Recommendation Using Logistic Regression and Ontologies | IEEE Conference Publication | IEEE Xplore
2	Scenery-Based Fashion	To build an effective fashion recommendation system is a still challenging issue due to its	Scenery-Based Fashion Recommendation with Cross-

	Recommendation with Cross-Domain Generative Adversarial Networks	high complexity. Previous research works generally have focused on how to provide fashion items visually similar to the user's current fashion taste. However, a scenery (natural landscape) around users is also an important affective factor in recommending fashions.	Domain Generative Adversarial Networks | IEEE Conference Publication | IEEE Xplore
3	Decentralized Construction of Knowledge Graphs for Deep Recommender Systems Based on Blockchain Powered Smart Contracts	Since first coined by Google in 2012, knowledge graph has received extensive attention from both industry and academia, and has been widely used in many scenarios with success, e.g., information retrieval, online recommendation, question-answering, and so on. However, traditional centralized construction of knowledge graph faces many challenges, such as laborious and time consuming, vulnerable to manipulation or tampering, lacking scrutiny, among others. Therefore, in this paper, we propose a novel decentralized knowledge graph construction method by means of crowdsourcing.	Decentralized Construction of Knowledge Graphs for Deep Recommender Systems Based on Blockchain-Powered Smart Contracts | IEEE Journals & Magazine | IEEE Xplore
4	CFRS: A Trends Driven Collaborative Fashion Recommendation System	Fashion has a great impact in everyday life and therefore, people pay close attention to the way they dress. Fashion item recommendation is typically a manual, curated process, where experts recommend items and trends to large populations. However, there is increasing use of automated, personalized recommendation systems, which have valuable applications in e-commerce websites. In this paper, we propose a collaborative fashion recommendation system, called CFRS.	CFRS: A Trends-Driven Collaborative Fashion Recommendation System | IEEE Conference Publication | IEEE Xplore
5	Smart Recommender System using Deep Learning	Deep neural system has been succeeded in solving recent complex problems in AI, image processing, and natural language processing. In recommendation system innovation, deep learning is an enormous thing. Deep learning is applicable in various systems like music recommendation, speech recognition, book suggestion, and video on demand. Deep learning solves complex relations so many researchers use the deep neural network in their task. Most of the time task requires complex computation. Two models are proposed in the system.	Smart Recommender System using Deep Learning | IEEE Conference Publication | IEEE Xplore