NALAIYA THIRAN PROJECT

-SNEHA S-113119UG07087

SMART FASHION RECOMMENDER APPLICATION

LITERATURE SURVEY :

1)TITLE :A Review on the Literature of Fashion Recommender System

BASE PAPER LINK : http://www.ijpe-online.com/EN/10.23940/ijpe.21.08.p5.695702

AUTHORS : Angel Arul Jothi J and Razia Sulthana A.

ABSTRACT :Over the years, much research has been conducted on fashion recommendation systems. Different techniques such as image processing, machine learning, or deep learning have been incorporated in the recommendation systems. Online e-stores like Amazon, eBay, etc. customize fashion recommendation systems to satisfy the daily requirements of their customers. A number of different approaches are proposed to study the purchase pattern of the customers. This article reviews various works in fashion recommenders using deep learning that are published from 2016 to 2020. Researchers have used deep learning models distinctly or by pairing with other machine learning models in building the recommendation system. The manuscript provides a brief description of the persuading deep learning models that owns a place in recommendation systems.

2) **TITLE** :Fashion Recommendation Systems, Models and Methods A review

BASE PAPER LINK :https://www.mdpi.com/2227-9709/8/3/49/htm

AUTHORS : Samit Chakraborty 1,2,*,Md. Saiful Hoque 2,3,Naimur Rahman Jeem 4,Manik Chandra Biswas 1,Deepayan Bardhan 5 and Edgar Lobaton 5

ABSTRACT :In recent years, the textile and fashion industries have witnessed an enormous amount of growth in fast fashion. On e-commerce platforms,

where numerous choices are available, an efficient recommendation system is required to sort, order, and efficiently convey relevant product content or information to users. Image-based fashion recommendation systems (FRSs) have attracted a huge amount of attention from fast fashion retailers as they provide a personalized shopping experience to consumers. With the technological advancements, this branch of artificial intelligence exhibits a tremendous amount of potential in image processing, parsing, classification, and segmentation. Despite its huge potential, the number of academic articles on this topic is limited. The available studies do not provide a rigorous review of fashion recommendation systems and the corresponding filtering techniques. To the best of the authors' knowledge, this is the first scholarly article to review the state-of-the-art fashion recommendation systems and the corresponding filtering techniques. In addition, this review also explores various potential models that could be implemented to develop fashion recommendation systems in the future. This paper will help researchers, academics, and practitioners who are interested in machine learning, computer vision, and fashion retailing to understand the characteristics of the different fashion recommendation systems.

3) TITLE : Content Based Apparel Recommendation System for Fashion Industry

BASE PAPER LINK :

https://www.ijeat.org/wp-content/uploads/papers/v8i6/F7880088619.pdf

AUTHORS : Illa Pavan Kumar, Swathi Sambangi

ABSTRACT : Present apparel e-commerce system that encourage online shopping ,has major issues to deal with catalog based online shopping. As there is a lack of customized services, the users may face difficulties to find discrimination over different types of retailers available on electronic product catalogs, they may also be confused with complex navigations that redirect to other pages based on their selection. This drawback can be overwhelmed by following suggestions on categories that they have chosen or from the products that they have already viewed. Multiple number of online marketing companies around world-wide ,has been practicing the naive method for apparel marketing website. This paper aims to simulate this recommendation system on real world data set taken from the marketing giant, Amazon's Product Advertising API, in a policy compliant manner by following the procedure in three steps :Analyzing the data to select the pivot for the recommendation system, Data preprocessing to remove invalid sections and to implement and find appropriate choices among the techniques like Bag of Words(BoW) and TF-IDF for better recommendations

4)**TITLE :A Review on Clothes Matching and Recommendation Systems based on user Attributes**

BASE PAPER LINK :

https://www.ijert.org/a-review-on-clothes-matching-and-recommendation-systems-based-on-user-attributes

AUTHORS : **Atharv Pandit , Kunal Goel , Manav Jain , Neha Katre**

ABSTRACT :**Dressing appropriately is very important when going out in the real world. Wearing clothes properly that show some level of style and wearing them such that they adhere to the norms of social standards uplifts the confidence of the person and creates a very good impression. The study focuses on helping the user to find optimized matching pair of clothes taking into account intricate details like style, patterns, colors, textures, etc. also keeping in mind users attributes like age, skin tone, favorite color etc. It aims to help the user choose clothes that are fashionable and organize their closet. It tries to help the user to wear clothes that are suitable to occasions and helps user to buy clothes that would suit their style. In this paper, an in depth study is performed of various systems that are developed for the various features that must be kept in mind for making a robust system that finds matching clothes of the user as well as makes recommendations. Systems developed to make recommendations of clothes using various approaches have been studied and their merits and demerits high-lighted. Systems that are used for clothes detection have also been studied to make the system user- friendly while the user provides input.**