LITERATURE SURVEY

NANDHA ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT:

COMPUTER SCIENCE AND ENGINEERING

DOMAIN NAME:

CLOUD APPLICATION DEVELOPMENT

PROJECT NAME:

SMART FASHION RECOMMENDED APPLICATION

TEAM MEMBERS:

ROLE	NAME	REGISTER NO
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S.NO	Title	Techniques & Mechanisms	Parameter Analysis	Tools	Future Work
1	CFRS: a trends driven collaborative fashion recommendation system	Deep Learning & Neural Network	Typically a manual, curated process.	Scikit-Learn & R – tool	Fashion item recommendation is typically a manual, curated process, where experts recommend items and trends to large populations.
2	Supporting stylists by recommending fashion style	Machine Learning (cs.LG); Computer Vision and Pattern Recognition (cs.CV); Machine Learning (stat.ML)	Appropriate item of clothing that makes sense in the context of the outfit being created.	arXiv	It help our stylists to tackle style fit for a particular item of clothing and its relevance to an outfit.
3	New ideas in ranking for personalized fashion recommender systems	Machine Learning	The proliferation of social media and the Web, in general, has made e-shopping, thus corresponding recommender systems, increasingly important.	Tensorflow	To enhance the user experience and increase sales. Also, we look at challenges the fashion domain specifically faces. The solution strategies by considering the SoBazaar system, includes showing how we built a recommendation approach for the system and discussing results from our experiments.
4	Outfit completion and clothes recommendation	Seep neural networks in machine learning & Statistical Mechanics of Deep Learning	The majority of the clothing parameters are evaluated in fabric stage, which is well accepted by the textile and garment industries.	Neural Designer & Scikit-Learn.	Recommending fashion outfits requires learning a concept of style and fashion ability.And also shows preliminary results on how this algorithm can be employed in a real scenario and reports as preliminary results the evaluations provided by three professional stylists on the outfits generated by such algorithms.

5	an AI system for clothing data retrieval and analysis	Deep learning	As a result of studies conducted on the basis of obtained mathematical model the optimal values of special clothes design parameters were defined, which provide not only the high levels of static conformity, but also high levels of dynamic conformity.	Scikit-Learn	The goal is to recommend similar fashion products corressponding to the entire set of fashion articles worn by a model in the PDP fullshot image and main components: i) Human keypoint detection, ii) Pose classification, iii) Article localisation and object detection, along with active learning feedback, and iv) Triplet network based image embedding model.
6	Workshop on Recommender Systems in Fashion and Retail.	Deep learning	Clothing that is appropriate in the context of the outfit being created	Pytorch	Online Fashion retailers have significantly increased in decade, making it possible for customers to explore hundreds of thousands of products without the need to visit multiple stores or stand in long queues for checkout.
7	Content-based clothing recommender system using deep neural network.	Deep Learning & Neural Network	usually a hand-curated, laborious procedure.	Scikit-Learn & R – tool	Deep learning is used in many fields and solved difficult and complex problems with large volumes
8	Sciences: An autonomous recommendation system for fashion designers	The Clustering Module combines various clustering algorithms and offers a consensus that arranges data in clusters.	In the clothing industry, design, development, and procurement teams have been affected more than any other industry and are constantly under pressure to present more products with fewer resources in a shorter time.	Swarm – Docker	The system consists of an interactive environment where a user utilizes different modules responsible for data collection knowledge extraction, clustering, and trend/product recommendation, focusing on two core modules of the implemented.

9	Fashion Recommender Systems	Deep Learning	The optimal values of special clothes design parameters were defined as a result of studies conducted on the basis of the obtained mathematical model, which provide not only high levels of static conformity, but also high levels of dynamic conformity.	Microsoft Cognitive Toolkit	The aim to present a state of the art view of the advancements within the field of recommendation systems in the domain of fashion.