Smart Fashion Recommender Application

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LITERATURE SURVEY:				
TITLE	**AUTHOR**	**ALGORITHM**	**ADVANTAGES**	**DISADVANTAGES**
SMART FASHION RECOMMENDER APPLICATION	Siqi Jiang , Oliver Stange , Fynn Ole Bätcke , Sabina Sultanova, Lilia Sabantina	**Deep Learning**	The “wearable love” collection from H&M Lab in 2020 includes a denim jacket with which touches are sent via app and Bluetooth. Flexible sensors are incorporated into the shoulder area of the jacket, and Bluetooth can be used to send various touch patterns that are supposed to feel like real touches [83]. This denim jacket is based on the technology of Boltware, a Wear It Berlin GmbH startup from Berlin, which produces boltware special clothing for sports and work. Athletic products include integrated performance tracking features and an automatic reporting function for	Stress is the most important factor which comes while a person works in the fashion industry and has a negative impact on the individual. At the initial level, it is not know individual the level of stress he has to encounter in his fashion business as he has no knowledge about the future. The income or the pay scale that the person receives on a one-month basis is hard to predict for the person as it may be a newly established business or no orders to be produced at that moment. The same can

			dangerous accidents	even arise when the person is looking out for a job and if a month goes by and he remains jobless then he receives no income for that month.

THE FUTURE DESIGN DIRECTION OF SMART CLOTHING DEVELOPMENT	Busayawan Ariyatum, Ray Holland and David Harrison	Machine Learning	Vision of future lifestyle is different from the existing scenarios created by Smart Clothing developers. From the developers' point of view, Smart Clothes should provide appropriate services at the right place and time according to the environmental context it senses without user conscious operation. The functions that the application should perform range from location sensor and navigation, entertainment, shop assistant, memory enhancement, etc. Nevertheless, the consumers are more concerned about how the product can enhance their quality of life in terms of health and well-being (44.3%).	create and develop footwear designs from idea to manufacturing. The first stage is the development of concepts and style ideas. This may be done individually or within a collaborative group. You then turn these ideas into drawings and sketches. Aside from aesthetic decisions about color and patterns, this part of the process also includes fabric and material choices. According to the design career website, The Art Career Project, you take your drawings and create a pattern that will be turned into a prototype. If the prototype is accepted by your employer or client, it will be sent for manufacturing..

Toolkit to the fashion the future	Rebecca R. Ruckdashel, Dhanya Venkataraman and Jay Hoon Park	Artificial Intelligence	Durability depends on the fiber strength, potentially making failures catastrophic instead of solely reducing function or becoming faulty. The production requirements are more stringent. For example, the minimum material amounts are far higher, e.g., a single winter hat requires about 50–100 g of wool. Start up, scrap, and purging all add to the material cost. Equipment costs are a hefty capital investment: ranging from four to seven figures. Direct incorporation of fillers or particles could increase surface roughness depending on particle size and disrupt spinning (defects or voids).	There are various paths to becoming a Nike shoe designer. You may choose to pursue a four-year college degree in fashion design or merchandising. Two-year associate degrees are viable options offering a variety of fashion-related concentrations. The Fashion Institute of Technology in New York offers an associate degree in fashion design. During your time in school or directly after graduation, you should pursue internships within the footwear industry. This is a way to obtain work experience while learning the trade. Nike offers numerous internships each year in locations all over the world. Visit their website for information and an application..

A User Centered Methodology for the Design of Smart Apparel	Silvia Imbesi and Sofia Scataglini	IOT	Valuations and tests involved in the last part of the design process are the most important feedback for the assessment of requirements satisfaction, for the verification of correct application of constraints, and for the resolution of critical issues emerged during the realization and testing of prototypes. Nowadays, there are design and digital tools available for the verification of the design project that can be used to optimize all the issues related to the realization of smart clothes such as usability, wearability, accessibility, etc. In this paper, authors are proposing a methodology for the evaluations of different quantitative and qualitative aspects of a smart clothing project. This approach can be used in the iterative design process from a multidisciplinary team to manage, compare, and	Smart clothing is the result of the interaction and integration of two borders: the electronic and the textile one, becoming an indispensable electronic textile (e-textile) for real non-intrusive monitoring. The interaction between layer and border can be active (sensoric, adaptive, self-healing) or passive (as a barrier against cold, rain, and wind). In fact, according to the conceptual model of Ranten and Hännikäinen [38], there is an inner layer that is close to human skin (Figure 4). This layer can be used for physiological, biomechanical, biochemical monitoring. Then there is an outer layer that can serve as a barrier to external agents (e.g., atmosphere, etc.). Communication can be done internally, spatially, and externally using interfaces as snaps, connectors, fixed support, and switches.

			hierarchize all the different feedback collected during the testing phase from involved ageing users. Moreover, this methodology allows the definition of points of strength and weakness of the evaluated garment from the users' point of view.	

PREDICTION OF DELAY OF FLIGHT USING DATA MINING	L.BeLCASTRO Fabriziomarozo Domencia Talia	Data Mining	.Two open datasets of airline flights and weather observations have been collected and exploratory data analysis has been performed to discover initial insights, evaluate the quality of data, and identify potentially interesting subsets The data preparation and mining tasks have been implemented as MapReduce programs. Other than providing the necessary computing resources for our experiments, the Cloud makes the proposed process more general. If the amount of data increases (e.g., by extending the analysis to many years of flight and weather data), the Cloud can provide the required resources with a high level of elasticity, reliability, and scalability.	The air time and flight distance would also have a greater impact on on-time performance of specific flight; Different carriers and specific aircraft would also have a slight influence of on time performance. Accuracy of this model is low because detailed weather and aircraft data could not be collected. A research analyzes flight information operated by American Airlines, predicting possible arrival delay of the flight using Data Mining . Due to the imbalanced data, Over-Sampling technique, Randomized SMOTE was applied for Data Balancing. The Gradient Boosting Classifier Model was deployed by training and then Grid Search on Gradient Boosting Classifier Model on flight data, caused hyper-parameter tuned and achieving a maximum accuracy of 85.73%. Result showed that deleting some features affected the value of accuracy and reduced it..