

LITERATURE REVIEW

Paolo Montuschi et.al [2015] have proposed a Semantic-based recommender system crosses heterogeneous information about learners and workers backgrounds as well as advertised job positions with a catalog of online courses to identify the most appropriate learning resources. And this showed a good agreement between human and automatic recommendations confirming the applicability of the emerging semantic technology to the generation of user-centered services that can adapt to individuals' learning needs.

Wenbo Chen et.al [2018] an online mining and predicting system are proposed for personalized job or candidate recommendation with big-data support. It considers the users' explicit information as context to achieve personalized recommendation. In addition, the system utilizes the reward extracted from online implicit information of the previous users with similar context information to relieve the cold start problem. Furthermore, a tree-based method is introduced to address large-volume items by effectively analyzing them in cluster level and thus reduce the computational load.

Shigang Hu et.al [2020] Likes and dislikes is a very tricky task even for humans, making its automation a very complex job. The reviewer credibility analysis and fine-grained feature sentiment analysis to devise a robust recommendation methodology. The proposed credibility, interest and sentiment enhanced recommendation (CISER) model has five modules namely candidate feature extraction, reviewer credibility analysis, user interest mining, candidate feature sentiment assignment and recommendation module.

Mohammed E. Ibrahim et.al [2018] this paper approach that personalizes course recommendations that will match the individual needs of users. This approach aims to integrate the information from multiple sources based on the hierarchical ontology similarity with a view to enhancing the efficiency and the user satisfaction and to provide students with appropriate recommendations. The quality of the recommendations is improved when the ontology similarity between the items and the user's profiles were utilized.

Muhammad Zaman Fakhra et.al [2022] The exponential increase in energy demands continuously causes high price energy tariffs for domestic and commercial consumers. Proposed a novel off-peak scheduling technique that provides instant energy scheduling recommendations by monitoring appliances in real-time following user-devised criteria. This technique utilizes appliance energy consumption data, user-devised criteria, and energy price signals to identify the recommendation points.

Huansheng Ning et.al [2019] Friend recommendation system (FRS) is an essential part of any social network system. However, most of them are homophily based systems, homophily is the propensity to associate and bond with similar others. In other words, these systems will recommend people that you share common features with them as friends. we present and evaluate an FRS based on the big-five personality traits model and hybrid filtering, in which the friend recommended process is based on personality traits and users' harmony rating.

Sahraoui Dhelim et.al [2020] A recommendation system is an integral part of any modern online shopping or social network platform. The product recommendation system as a typical example of the legacy recommendation systems suffers from two major drawbacks: recommendation redundancy and unpredictability. In this article, Meta-Interest, a personality-aware product recommendation system based on user interest mining and Metapath discovery. Experimental results show that this method can increase the precision and recall of the recommendation system.

Yang Han et.al [2020] Based on the advantages of Internet of things, this paper focuses on the research of intelligent recommendation model for cancer patients' rehabilitation and designs a user-friendly intelligent recommendation system of cancer rehabilitation scheme. The recurrence time as the objective function and established the recommendation model of the optimal nutrition support program for the rehabilitation by using BAS algorithm. Finally, under the framework of Internet of things technology, the intelligent recommendation model of cancer rehabilitation prediction model and nutrition support program was integrated to

realize the recommendation system of intelligent recommendation of rehabilitation nutrition support program for cancer rehabilitation patients according to their different characteristics.