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| Date | 31 October 2022 |
| Team ID | PNT2022TMID39156 |
| Project Name | SKILL/ JOB RECOMMENDER APPLICATION |
| Maximum Marks | 4 Marks |

Literature survey

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| **DATES** | **TITLE** | **AUTHOR** | **PROBLEM STATEMENT** | **ECHNIQUE** | **PROS** | **CONS** |
| 2018 | Job  Recommendation based on Job Seeker Skills | I. Jorge Valverde -  Rebaza  ii. Ricardo Puma  iii. Paul Bustios  iv. Nathalia C. Silva | Although in the literature exists a variety of techniques and strategies used as part of job  recommender systems, most of them fail to  recommend jobvacancies that  fit properly to the job seekers profiles. | Text processing and recommendation methods. | Making publicly available a new dataset containing job seekers profilesand job vacancies. | Focus on performing a more exhaustive evaluation considering a greater amount of methods and data as well as comprehensiveevaluation of the impact of each professional skill of a job seeker on the received job  Recommendation. |
| 2018 | A Combined  Representation  Learning Approach  for Better Job and Skill  Recommendation | I.Vachik S.Dave  ii.Baichuan Zhang  iii.Mohammad AlHasan  iv.Khalifeh AlJadda  v.Mohammed Korayem | An excellent ob ecommender system not onlenables to ecommend a higher paying ob which is maximally aligned with th skill-set of the current job, also suggests o acquire few additional skills which ar required to assume the new position. | i.Job-Transition network  ii.Job-skill network  iii.Job-ccurrence network | i.Pairwise ranking objective  ii.Providing  High quality jobrecommendation | Skill-gap accurateidentification skill match |
| 2018 | Talent Search and Recommendation  at Linkedin | i.Sachin Cem  ii.Geyik Ketan  Thakkar | The talent search system could be quite complex combining several structured fields | Talent Search Recommendati on Candidate Retrieval and Ranking | Recruiters can search the candidates for the job openings | The recruiter or HR may not able to express their hiring needs in the form of a search query(ob posting). |
| 2019 | Tripartite Vector  Representations for Better Job  Recommendation | i.Mengshu Liu  ii.Jingya Wang  iii.Kareem Abdelfatah  iv.Mohammed  Korayem | To match the right person with the right job, a good representation of job postings is required. Such representations should ideally recommend jobs with fitting titles, aligned skill set, and reasonable commute. | Graph by the combination oftitle, skill and location. | This allows us to gain a representation  of job  postings/ resumes using both elements, which subsequently can be combined with location. | Develop an inductive learningframework to accommodat  newly emerg  job titles and skills and representatio vectors only existif it is in the inputgraph. |
| 2019 | The AI Behind  LinkedIn  Recruiter search and  Recommendation  Systems | i.QiGuo  ii.Sachin Cem  Geyik | It uses existing information in your profile | i.Non-linearmodeling With Gradient Boosted Decision Trees  ii.Deeplearning | Easily attach your LinkedIn resume to any job application. | i.Gett spammessag  ii.Tak too much tim while using  iii.Ther is noopportuni for reference |
| 2019 | A-Map Based Job  recommender  Model | i.Manal Aliyhieth  ii.Amal A.Shargabi | People often search their job openings on a particular website. Many of the system does not offer mapping support. | Content-Based  recommendatio n Location  Based Search | This system provides the  mapping  support in order to increase the job search | Sometimes complicated understand map that was provided |
| 2020 | Efficient and  Scalable job  Recommender  System | i.Ravita Mishra  ii.Sheetal Rathi | Incomplete  Description,Information overload | i.Collaborative content  ii.Graph-basedfiltering | In this technique, the user can access the information he/she may have been  interested in the past. Accuracy, measureapplication domain efficiency. | Lack of good evaluation measure,  scalability, privacy and security. |
| 2020 | Job Recommendation  Profile Clustering and Job Seeker behavior | i.Mhamdi.D  ii.Azzouazi.M | In Big Data, both employees and job seekers are confronted with increasing data overload and time consuming. | K-clustering  Profile  Clustering. | Job offers can be collected from the websites. Job offers can be divided into Job clusters based on the features. | i.Increasing dataoverloaded  ii.Time consuming process. |
| 2021 | Implementation  K-Means  Clustering  Method in Job  Recommendation  System | i.[Betty Dewi Puspasari](https://ieeexplore.ieee.org/author/37086353179)  ii.[AndyPramono](https://ieeexplore.ieee.org/author/37086355764)  iii.[Aang Kisnu](https://ieeexplore.ieee.org/author/37087115488)  [Darmawan](https://ieeexplore.ieee.org/author/37087115488) | Finding job vacancies is a problem for students who have just completed their studies in higher education because they still do not have work experience so they are required to look for jobs that really match their criteria | K-MeansClustering method | This application can provide solutions to companies and applicants in finding workers or jobs using a recommendation system | With the different representations of the data, the results achieved are also different. |
| 2022 | Job Recommendation System Using Hybrid Filtering | i.Aneesh Mulay,  ii.Shriyash Sutar  iii Jiten Patel  iv.AditiChhabria,  v.SnehalMumbaikar | Many fresher candidates face issues while job recruitment process to undergo which field of interest | Hybrid Filtering | The application will be user friendly and the user just has to fill in basic details such as his past years of experiences, project, internship,etc. The rest of recommending the job to the users will be done safely by the recommendation model of this project. | content-based and collaborative approach have their own disadvantages |