

SKILL AND JOB RECOMMENDER

**LITERATURE SURVEY**

TEAM MEMBERS

Nawin S M

Kamalesh K

Karan P

Bindhiya J

**LITERATURE SURVEY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Title of the Paper** | **Author**  **Name** | **Journal Detail** | **Methodology** |
| 1 | Job Recommendation based on Job Seeker Skills: An Empirical Study | Jorge Valverde-  Rebaza et.al. | 2018  Department of Scientific Research, Visibilia, SP, Brazil | **Algorithm used**:  Term Frequency-Inverse Document Frequency (TF- IDF) &  word2vec,Continuous Bag- of-Words (CBOW) and Skip-gram  **Merits**:  Word2Vec-SkipGram score-  0.590 Precision-0.814  ME-0.96  **Demerits**:  Less accuracy in the correctness of user data |

LITERATURE SURVEY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Title of the Paper** | **Author Name** | **Journal Detail** | **Methodology** |
| 2 | Toward the next generation of recruitment tools: An online social network- based job recommender system | M Diaby, E Viennet, and T Launay. | 2013  Advances in Social Networks Analysis and Mining, ASONAM | **Algorithm used**: Work4,Support vector Machine  **Merits**:  For data processing two types of data are used:input- interaction data (user's own data) and social connections data (user's friends data) **Demerits**:  Sensitive contents of user are prone to vulnerability. |

LITERATURE SURVEY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Title of the**  **Paper** | **Author**  **Name** | **Journal Detail** | **Methodology** |
| 3 | Matching resumes and jobs based on relevance models | Xing Yi,  James Allan,  W. Bruce Croft | 2007  Special Interest Group on Information Retrieval(SIGIR) | **Algorithm used**: Structured Relevance Models (SRM) **Merits**:  Relevance model makes matching process easier **Demerits**:  Only for modeling and retrieving semi- structured documents |

LITERATURE SURVEY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Title of the Paper** | **Author Name** | **Journal Detail** | **Methodology** |
| 4 | Collaborative filtering based online recommendation systems | Basit Mehmood Khan et.al. | 2017  International Conference on Information and Communication Technologies (ICICT) | **Algorithm used**: Collaborative filtering are item based and user based approaches **Merits**:  CF algorithms are classified as memory- based approaches and model-based approaches and compared **Demerits**:  Interest of mobile users may lead to the rejection of skilled candidate |

LITERATURE SURVEY

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Title of the Paper** | **Author Name** | **Journal Detail** | **Methodology** |
| 5 | Job Recommendation System Using Profile Matching and Web- Crawling | Deepali V Musale et.al. | 2016  International Journal of Advance Scientific Research And Engineering Trends | **Algorithm used**: Semantic matching, tree-based knowledge matching and query matching.  **Merits**:  On campus recruitment process made easier using web crawling **Demerits**:  Dataset is taken only from reputed institution and guarantee to employ all students is less. |