Skill / job recommender Application

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Abstract

Developing a Skill /Job recommender application,

For recruiting employees and candidates for hiring candidates by identifying the employees with accurate skills and efficiency for the job role. It is also helpful for the candidates to choose their right platform for their career path. It shows relevant ideas for the employees and their employers for hiring and to be hired for the desirable job role. Thus, the Skills/Job Recommender Application is mutually helpful for both organizations and the Candidates.

Introduction

The internet-based recruiting platforms become a primary recruitment channel in most companies. While such platforms decrease the recruitment time and advertisement cost, they suffer from an inappropriateness of traditional information retrieval techniques like the boolean search methods. Consequently, a vast number of candidates missed the opportunity of recruiting. The recommender system technology aims to help users in finding items that match their personnel interests it has a successful usage in e-commerce applications to deal with problems related to information overload efficiently.

In order to improve the e-recruiting functionality, many recommendations system approaches have been proposed. This note will present a survey of e-recruiting process and existing recommendation approaches for building personalized recommender systems for candidates/job matching.

A recommendation system is a system that gives us recommendations based on the data that it has collected from us, and other users like us, over a course of time. We are paying them, not in the form of money, but in the form of data. And this data is used by the websites, so as to provide better recommendations or is sold to other websites, who want to provide better recommendations, using their massive repositories of data on individuals. Often, when we search for something on the web, we find the most relevant information or links at the top. These results are unique for A particular individual and would be different for different users. Although we do not think about this for A second time, it is all because of recommendation systems that feed on our data and decide which results fit us best.

Workflow

Recommendations based on the data that it has collected from us, and other users like us, over a course of time. These systems today, work in areas like movies, music, news, research articles, search queries, restaurants, hashtags, and more. Almost every website that we visit these days (of which most are free), collect some data. In reality, these websites are not free. Job recommendation engine helps smoothen the process. We are paying them, not in the form of money, but in the form of data. And this data is used by the websites, so as to provide better recommendations or is sold to other websites, who want to provide better recommendations, using their massive repositories of data on individuals. Often, when we search for something on the web, we find the most relevant information or links at the top. These results are unique for a particular individual and would be different for different users. Although we do not think about this for a second time, it is all because of recommendation systems that feed on our data and decide which results fit us best.

Requirements

Software Requirements:

- IBM Cloud,
- HTML , JavaScript , IBM Cloud Object Storage
- Python-Flask ,Kubernetes ,Docker ,IBM DB2,IBM Container Registry

Hardware requirements:

- 8GB RAM
- Intel core i3 processor or more
- Windows/Linux/Mac OS in Laptop or Desktop

REFERENCES:

Document:

- https://link.springer.com/chapter/10.1007/978-981-16-2594-7_47
- https://www.researchgate.net/publication/356601605_Job_Recommender_Systems_A_Review
- https://medium.com/kariyertech/job-recommendation-based-on-extracted-skill-embeddings-6cdaecb39f37