PROJECT REPORT

IBM-Project-39053-1660390054

TITLE:

Skill / Job Recommender Application

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PNT2022TMID31532

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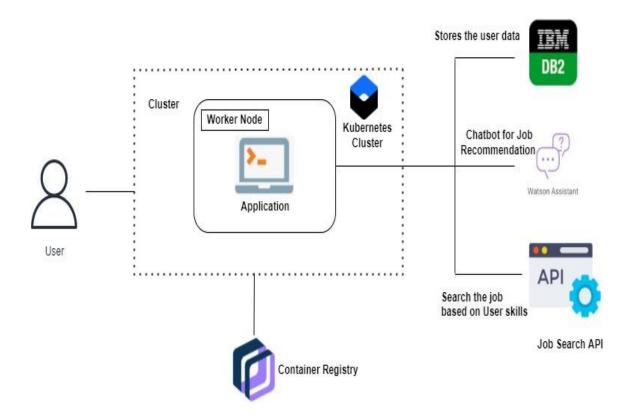
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1 INTRODUCTION

Project Overview

Purpose

A good job recommender system not only makes it possible to advise a higher paid job that is most aligned with the skill set of the existing employment, but also makes suggestions about how to pick up a few extra abilities that are necessary to fill the new role. to develop a piece of software that filters jobs according to the qualifications of applicants. The candidates are then suggested for that filtered job depending on their skill set.



2 LITERATURE SURVEY

The modern recruitment sector values the task of job recommendations. A good job recommender system not only makes it possible to advise a higher paid job that is most aligned with the skill set of the existing employment, but also makes suggestions about how to pick up a few extra abilities that are necessary to fill the new role. In this study, we developed three different types of information networks from the historial employment data: I a network for job transitions; (ii) a network for job-skills; and (iii) a network for skill cooccurrences. In order to jointly learn the representation of the jobs and skills in the common k-dimensional latent space, we offer a representation learning model that can make use of the data from all three networks. By simultaneously learning the representation for the occupations and in our experiments, we demonstrate that skills and ur approach offers more accurate job and skill recommendations. We also provide several case studies that support our assertion to create a complete web application that can show available jobs based on the user's skill set. The database contains both the user and their data. Based on the user's skill set, an alert is delivered when a position becomes available. The chatbot will be used by users, who can engage with it and receive recommendations depending on their skill set. To obtain the most recent job vacancies on the market, we can utilise a job search API that will retrieve the information straight from the website.

Existing problem

When an applicant submits their profile to a job search engine, this occurs. Most of the time, their academic credentials and professional experience are taken into consideration while making employment recommendations. A study of job recommendation engines, International Journal of Physical Sciences, Shaha Alotaibi, July 2012. The recommender system technology, which successfully addresses issues linked to information overload in ecommerce applications, attempts to assist consumers in choosing products that fit their own preferences. This article will provide a survey of the electronic hiring process and current methods for creating customised recommender systems for matching jobs and candidates. Cheng Yang, Yingya Zhang, and Zhixiang Niu, 2014 Seventh International Symposium on Computational Intelligence and Design, December 2014; "A Research of Job Recommendation System Based on Collaborative Filtering." It examines the résumé of the applicant and the hiring policies of the companies to compare and reach a more informed decision after identifying the job candidates with the finest qualification

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algorithms[C]//Proceedings of the 10th international conference on World Wide Web. ACM,

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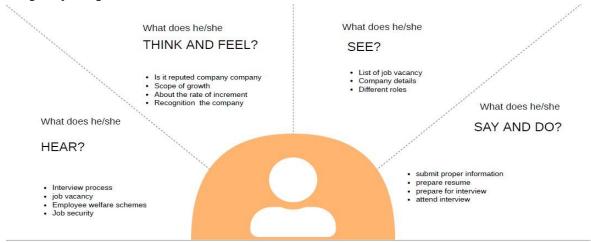
Problem Statement Definition

Having a variety of abilities but unsure of which position would be best for you? No need to be concerned! We have developed a talent recommender solution through which both experienced and inexperienced users can sign up, look for employment, or speak with the chatbot directly to land their dream job.

To create a complete web application that can show available jobs based on the user's skill set. The database contains both the user and their data. Based on the user's skill set, an alert is delivered when a position becomes available. The chatbot will be used by users, who can engage with it and receive recommendations depending on their skill set. To obtain the most recent job vacancies on the market, we can utilise a job search API that will retrieve the information straight from the website.

3 IDEATION & PROPOSED SOLUTION

Empathy Map Canvas



PAIN	GAIN
lack of experience Job insecurity lack of communication Environmental issues	Simple to attend interview Reduce cost to hire can know different oppurtunities

Ideation & Brainstorming

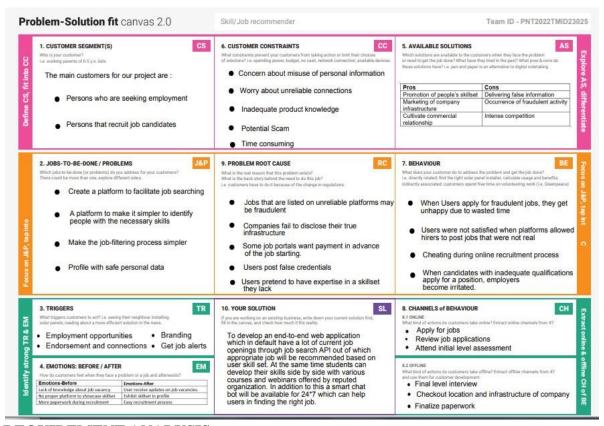
Ventifung for job alerts requirements builder resume builder reducements builder resume builder reducements builder glob seeking time within populate certification Company's within populate stellated glob seeking time within populated certification Company's within populated provided stellated glob seeking time within populated provided glob seeking time within populated glob seeking time within	Sathyan Prabhu Sri ram	arthi
whether the privacy or late of period data is users. Security based on privacy or late of period data is or lated or lat	Uspbaying company company Providing Job seeking with updated certification chalbot time showed Company style company company's specific chalbot time chalbot company c	Live chat
Providing	Profile alent of based on privacy particular information users Ratings on Job falsified gueries geodestale information	Notifying job alerts
companys' Recruitment Company's Process Details		

Proposed Solution

1. Problem Statement (Problem to be solved) Having a variety of ability but unsure of which posity would be best for you? Not need to be concerned! Wour skill recommender solution, either a skilled of fresher user can sign up, search for jobs using the search bar, or speak with chatbot directly to land the ideal position. to create a complete web application that can show available jobs based on the user's skill set. The databe contains both the user and their data. Based on the user's skill set, an alert is delivered when a position becomes available. The chatbot will be used by users, who can engage with and receive recommendations depend on their skill set. To obtathe most recent job open on the market, we can us job search API, which wiretrieve the information directly from the website

2.	Idea / Solution description	The three contributions of this work are as follows: I We made a new dataset, comprised of a collection of job seeker profiles and a set of job openings, publicly available. ii) present a framework for employment recommendations based on job seekers' professional skills iii) completed an analysis to quantify
		The proposed fssramework empically compares two state-of-the-art methods' capacities for recommendations while taking various configurations into account. As a result, we provide a broad overview of the job recommendation task in an effort to facilitate research and the design of practical applications for this crucial issue.
3.	Novelty / Uniqueness	Any person is recommended for the best position based on her skills. While assuming the position of known profiles

Problem Solution fit



4 REQUIREMENT ANALYSIS

Functional requirement

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No. Functional Requirement (Epic)		Functional Requirement (Epic) Sub Requirement (Story / Sub-Task)			
FR-1 Sign in / Login		Register with username, password			
FR-2	Profile Registration	Register with username, password, email, qualification, skills. This data will be stored in a database.			
FR-3	Job profile display Display job profiles based on availability, location				
FR-4	Chatbot	A chat on the webpage to solve user queries and issues			
FR-5 Job Registration		The company's registration/Description details will be sent to the registered email id of the user.			
FR-6	Use logout option after completing job registration process.				

Non-Functional requirements

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

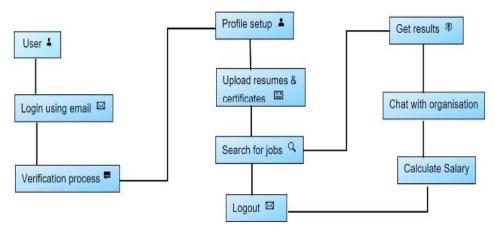
FR No. Non-Functional Requirement		Description		
NFR-1 Usability		The webpage will be designed in such a way that any non-technical user can easily navigate through it and complete the job registration work. (easy and simple design)		
NFR-2	Security	Using of python flask to cloud connect will provide security to the project. Database will be safely stored in DB2.		
NFR-3 Reliability NFR-4 Performance NFR-5 Availability		To make sure the webpage doesn't go down due to network traffic.		
		Focus on loading the webpage as quickly as possible irrespective of the number of user/integrator traffic.		
		The webpage will be available to all users (network connectivity is necessary) at any given point of time.		
NFR-6	IFR-6 Scalability Increasing the storage space of datability increase the number of users. Add so future to make the webpage unique			

5 PROJECT DESIGN

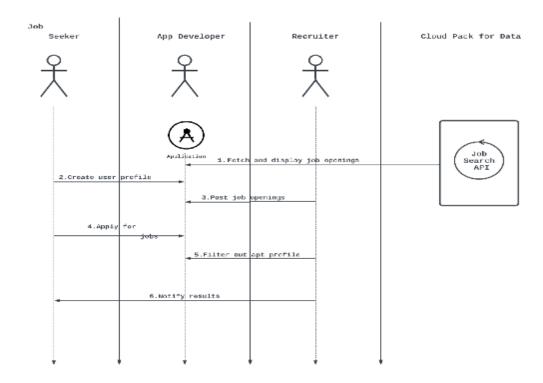
Data Flow Diagrams

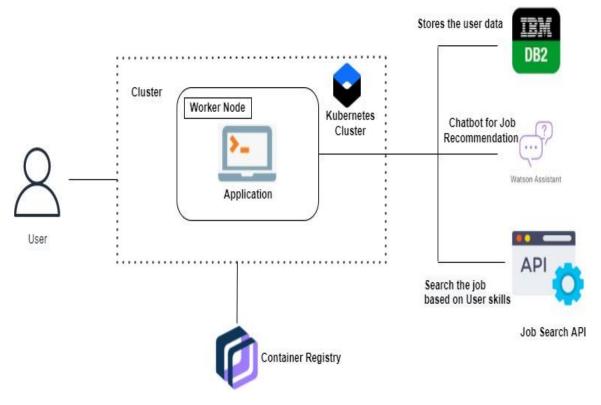
Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



Solution & Technical Architecture





User Stories

User Stories

Use the below template to list all the user stories for the product.

User Type	Type Functional User Story User Story / Task Requirement (Epic)		Requirement Numbe		Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1	
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1	
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2	
	11 18	USN-4	As a user, I can register for the application through Gmail	To the State	Medium	Sprint-1	
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1	
	Dashboard	USN-5	As a user, I can access my dashboard after signing in.	I can access my account / dashboard	High	Sprint-1	
Customer (Web user)	Access	USN-6	As a user, I can setup a profile, and basic details by signing in.				
		USN-7	As a user, I will upload my resume, certificates, and other requirements.	I can perform several task in the application	Medium	Sprint-1	
Customer Care Executive	Chatbot	USN-8			High	Sprint-1	
Administrator	DBMS USN-9 As a administrator, I can keep the applications of your organization relies on running. I can perform various modifications in the applications.		modifications in the	High	Sprint-1		

6 PROJECT PLANNING & SCHEDULING

Sprint Planning & Estimation

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

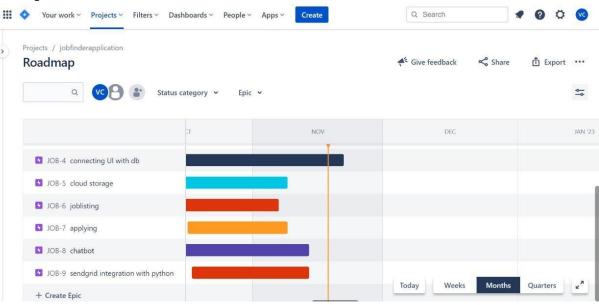
Sprint	Sprint Functional Requirement (Epic)				User Story / Task	Story Points	Priority
Sprint-1 Registration				10	Medium		
Sprint-1	Database Connectivity	USN-2	Viewing and applying jobs Connecting UI with Database	10	High		
Sprint-2	SendGrid Integration	USN-3	SendGrid Integration with Python Code	10	Low		
Sprint-2	Chatbot Development	USN-4	Building a chatbot	10	High		
Sprint-3	Integration and Containersation	USN-5	Integrating chatbot to the HTML page and containerizing the app.	20	Medium		

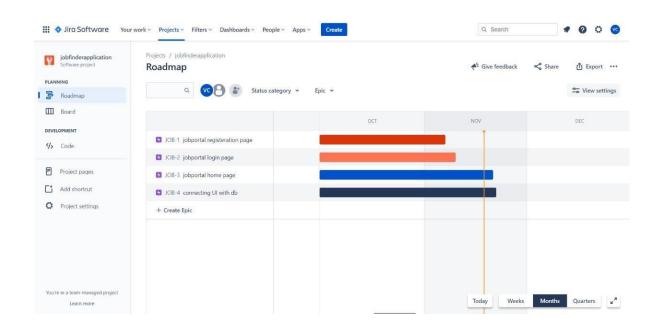
Sprint-4 Upload Image and USN-6 deployment	Upload the image to the IBM Registry and deploy it in the Kubernetes Cluster.	20	High
--------------------------------------------	-------------------------------------------------------------------------------	----	------

Sprint Delivery Schedule

Sprint	Points		Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	18	6 Days	24 Oct 2022	29 Oct 2022	18	29 Oct 2022
Sprint-2	27	6 Days	31 Oct 2022	05 Nov 2022	27	05 Nov 2022
Sprint 3	29	6 Days	07 Nov 2022	12 Nov 2022	29	12 Nov 2022
Sprint-4	14	6 Days	14 Nov 2022	19 Nov 2022	14	19 Nov 2022

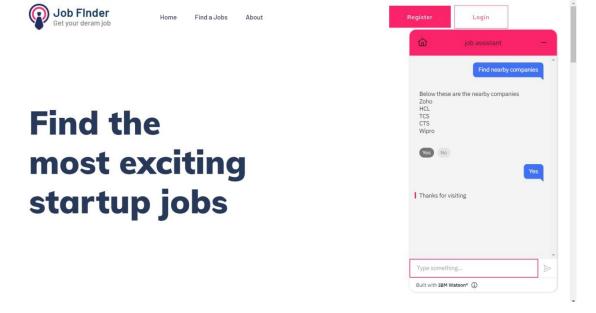
Reports from JIRA





7 CODING & SOLUTIONING

Feature 1

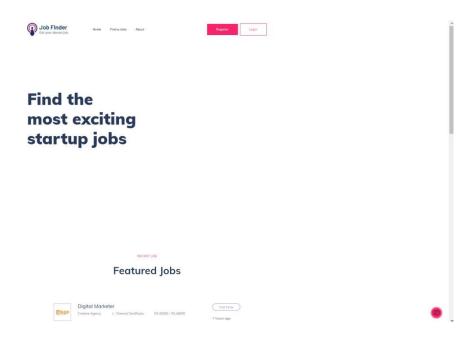


The software has an integrated "Chat Bot" that can help with ongoing inquiries, offer quick fixes to user issues that may arise, and direct management attention if there are any complications. Customer service will be available 24 hours a day, seven days a week to help in case any contentious issues arise.

Feature 2

To view the jobs that are available and to make it easier to access the website, we created the dashboard page for this project.

- They communicate information quickly.
- They display information clearly and efficiently.
- They show trends and changes in data over time.
- They are easily customizable.
- The most crucial widgets and data elements are succinctly displayed in a constrained area.



8 TESTING

Test Cases

Software testing is the process of assessing and confirming that a software application or product performs as intended. Testing has advantages such as bug prevention, lower development costs, and better performance.

This software has undergone successful testing and evaluation.

User Acceptance Testing

Purpose of Document

This document's goal is to provide a concise explanation of the project's test coverage and open issues as of the time of User Acceptance Testing (UAT)

Acceptance by users The testing is done in a different testing environment. A modification, an upgrade, or a new feature is asked for and created. There are both unit and integration tests. Things appear to be in order. But after it is made available to the public, significant issues start to emerge. When that occurs, rework and retesting are not the most costly outcomes. Reputational damage

9 RESULTS

Performance Metrics

We evaluate the effectiveness of all the methods stated above based on the two categories of user recommendations mentioned above. The occupations that are subsequently suggested to

each new user are compared to the jobs that they were initially in according to the test dataset. The model appends 1 for yes and 0 for no depending on whether the original user job is advised in the model result.

This array of 0's and 1's thus received is then checked for accuracy by computing the count of 1's from the total user predictions

The cosine similarity based job recommendation system model beat all other models created with the addition of various similarity measures. Accuracy, precision, recall, and F1-score are the measures used to evaluate the performance of the model. This is due to the fact that while computing similarity, cosine takes duplicate phrases into account. Additionally, because only non-zero dimensions are taken into account, cosine has a low computing complexity and is simple to handle when dealing spare data vectors.

Analyzing the result table, we see that even after scoring highly, several similarity metrics fall short when recommending the top 5 and highest-score based jobs. Similarity scores are a result of people being perceived to have different jobs from those suggested by the models, leading to 6–10% mistake rates.

10 ADVANTAGES

- The model doesn't need any data about other users, since the recommendations are specific to this user.
- This makes it easier to scale to a large number of users.
- The model can capture the specific interests of a user, and can recommend niche items that very few other users are interested in.

DISADVANTAGES

- Since the feature representation of the items are hand-engineered to some extent, this
 technique requires a lot of domain knowledge. Therefore, the model can only be as
 good as the hand-engineered features.
- The model can only make recommendations based on existing interests of the user.
- In other words, the model has limited ability to expand on the users' existing interests

11 CONCLUSION

This project compares collaborative filtering vs content-based filtering of recommendations. A method that combines aggregation and recommenders has also been developed.

While collaborative filtering makes recommendations based on matching the user's personal preferences with the given material, content-based filtering bases those recommendations on other users' preferences. A hybrid approach that combines both of these methods eliminates the drawbacks of both and improves ranking, it was determined after examining both of these methods. Cold start issues, sparse database issues, scalability issues, and trend suggestion issues have all been resolved. The idea is to create a Job Recommender system that places an emphasis on quality rather than quantity. Despite the fact that websites and job listing portals already suggest jobs to job searchers based on their profiles, this research on aggregate quality recommendations has been made possible by selectively crawling, which gets around the problems. To put it all together and provide a seamless user experience, a completely functional user interface was created.

FUTURE SCOPE

In the case of Personalized Job Recommendation, upcoming tasks Systems exploit the user's preferred location to provide employment recommendations based on openings at businesses located nearby. The user-preferred location's latitudes and longitudes can be extracted, and the euclidean distances between those latitudes and longitudes and the organisation location can be calculated, to do this.

This eliminates other jobs that are located too far from the user's selected location and produces a job recommender that is more accurate.

We intend to use features of comparable applicants and positions insequence information as part of our future effort. Currently, non-machine learning based suggestions include recommendations utilising similar applicants and occupations, and the preliminary results appear promising. Finally, expanding our methods to include other recommender systems might be interesting.

12 APPENDIX

Source Code

```
<!DOCtype html>
<a href="https://www.chtml.class="no-js" lang="zxx">
  <head>
     <meta charset="utf-8">
     <meta http-equiv="x-ua-compatible" content="ie=edge">
     <title>Job Finder</title>
     <meta name="description" content="">
     <meta name="viewport" content="width=device-width, initial-scale=1">
     <link rel="manifest" href="site.webmanifest">
              k rel="shortcut icon" type="image/x-icon" href="http://s3.jp-
tok.cloud-object-storage.appdomain.cloud/jobportalwebsite/assets/img/favicon.ico">
     k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/bootstrap.min.css">
     k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/owl.carousel.min.css">
     k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/flaticon.css">
     k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/price_rangs.css">
     k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/slicknav.css">
     k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/animate.min.css">
     k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/magnific-popup.css">
```

```
k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/fontawesome-all.min.css">
    k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/themify-icons.css">
    k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/slick.css">
    k rel="stylesheet" href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/css/nice-select.css">
    <link rel="stylesheet" href="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/css/style.css">
 <body>
  <header>
    <!-- Header Start -->
    <div class="header-area header-transparrent">
      <div class="headder-top header-sticky">
         <div class="container">
           <div class="row align-items-center">
              <div class="col-lg-3 col-md-2">
                <!-- Logo -->
                <div class="logo">
                  <a href="index.html"><img src="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/img/logo/logo.png" alt=""></a>
                </div>
              </div>
              <div class="col-lg-9 col-md-9">
                <div class="menu-wrapper">
                  <!-- Main-menu -->
                  <div class="main-menu">
                     <nav class="d-none d-lg-block">
                       <a href="/index">Home</a>
                         <a href="/job_listing">Find a Jobs </a>
                         <a href="/about">About</a>
                       </nav>
                  </div>
                  <!-- Header-btn -->
```

```
<div class="header-btn d-none f-right d-lg-block">
                      <a href="/registeration" class="btn head-btn1">Register</a>
                      <a href="/login" class="btn head-btn2">Login</a>
                   </div>
                 </div>
              </div>
              <!-- Mobile Menu -->
              <div class="col-12">
                 <div class="mobile_menu d-block d-lg-none"></div>
              </div>
            </div>
         </div>
      </div>
    </div>
     <!-- Header End -->
  </header>
  <main>
    <!-- slider Area Start-->
    <div class="slider-area">
       <!-- Mobile Menu -->
       <div class="slider-active">
         <div class="single-slider slider-height d-flex align-items-center" data-
background="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/img/hero/h1_hero.jpg">
            <div class="container">
              <div class="row">
                 <div class="col-xl-6 col-lg-9 col-md-10">
                   <div class="hero_caption">
                      <h1>Find the most exciting startup jobs</h1>
                   </div>
                 </div>
              </div>
            </div>
         </div>
       </div>
     </div>
     <!-- slider Area End-->
     <!-- Featured job start -->
     <section class="featured-job-area feature-padding">
```

```
<div class="container">
         <!-- Section Tittle -->
         <div class="row">
            <div class="col-lg-12">
              <div class="section-tittle text-center">
                <span>Recent Job</span>
                <h2>Featured Jobs</h2>
              </div>
            </div>
         </div>
         <div class="row justify-content-center">
            <div class="col-xl-10">
               <!-- single-job-content -->
              <div class="single-job-items mb-30">
                <div class="job-items">
                   <div class="company-img">
                     <a href="#"><img src="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/img/icon/job-list1.png" alt="img"></a>
                   </div>
                   <div class="job-tittle job-tittle2">
                     <a href="#">
                        <h4>Digital Marketer</h4>
                     </a>
                     \langle ul \rangle
                        Creative Agency
                        <i class="fas fa-map-marker-
alt"></i>Chennai, TamilNadu
                        RS.35000 - RS.40000
                     </div>
                </div>
                <div class="items-link items-link2 f-right">
                   <a href="/job_details">Full Time</a>
                   <span>7 hours ago</span>
                </div>
              </div>
              <!-- single-job-content -->
              <div class="single-job-items mb-30">
```

```
<div class="job-items">
                  <div class="company-img">
                     <a href="#"><img src="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/img/icon/job-list2.png" alt="img"></a>
                  </div>
                  <div class="job-tittle job-tittle2">
                    <a href="#">
                       <h4>Back End Developer</h4>
                    </a>
                    \langle ul \rangle
                       Mentee Chain
                       <i class="fas fa-map-marker-
alt"></i>Chennai, TamilNadu
                       RS.41500 - RS.72000
                    </div>
                </div>
                <div class="items-link items-link2 f-right">
                  <a href="/job_details">Full Time</a>
                  <span>5 hours ago</span>
                </div>
             </div>
             <!-- single-job-content -->
             <div class="single-job-items mb-30">
                <div class="job-items">
                  <div class="company-img">
                    <a href="#"><img src="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/img/icon/job-list3.png" alt=""></a>
                  </div>
                  <div class="job-tittle job-tittle2">
                    <a href="#">
                       <h4>SQL Developer</h4>
                    </a>
                    ul>
                       Sutherland
                       <i class="fas fa-map-marker-
alt"></i>Chennai, TamilNadu
                       RS.82500 - RS.44000
                    </div>
                </div>
                <div class="items-link items-link2 f-right">
                  <a href="/job_details">Full Time</a>
```

```
<span>2 hours ago</span>
                </div>
              </div>
              <!-- single-job-content -->
              <div class="single-job-items mb-30">
                <div class="job-items">
                   <div class="company-img">
                     <a href="#"><img src="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/img/icon/job-list4.png" alt=""></a>
                   </div>
                   <div class="job-tittle job-tittle2">
                     <a href="#">
                       <h4>TIBCO Developer</h4>
                     </a>
                     \langle ul \rangle
                       Infosys
                       <i class="fas fa-map-marker-
alt"></i>Chennai, TamilNadu
                       RS.53500 - RS.40000
                     </div>
                </div>
                <div class="items-link items-link2 f-right">
                   <a href="/job_details">Full Time</a>
                   <span>1 hours ago</span>
                </div>
              </div>
              <!-- single-job-content -->
              <div class="single-job-items mb-30">
                <div class="job-items">
                   <div class="company-img">
                     <a href="#"><img src="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/img/icon/job-list1.png" alt=""></a>
                   </div>
                   <div class="job-tittle job-tittle2">
                     <a href="#">
                       <h4>Hadoop Developer</h4>
                     </a>
                     <111>
                       Capgemini
```

```
<i class="fas fa-map-marker-
alt"></i>Chennai, TamilNadu
                       RS.33500 - RS.24000
                    </div>
                </div>
                <div class="items-link items-link2 f-right">
                  <a href="/job_details">Full Time</a>
                  <span>3 hours ago</span>
                </div>
              </div>
              <!-- single-job-content -->
              <div class="single-job-items mb-30">
                <div class="job-items">
                  <div class="company-img">
                    <a href="#"><img src="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/img/icon/job-list3.png" alt=""></a>
                  </div>
                  <div class="job-tittle job-tittle2">
                    <a href="#">
                       <h4>Full stack Developer</h4>
                    </a>
                    \langle ul \rangle
                       VCW Limited
                       <i class="fas fa-map-marker-
alt"></i>Chennai, TamilNadu
                       RS.45500 - RS.24000
                    </div>
                </div>
                <div class="items-link items-link2 f-right">
                  <a href="/job_details">Full Time</a>
                  <span>4 hours ago</span>
                </div>
              </div>
              <!-- single-job-content -->
              <div class="single-job-items mb-30">
                <div class="job-items">
                  <div class="company-img">
```

```
<a href="#"><img src="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/img/icon/job-list4.png" alt=""></a>
                   </div>
                   <div class="job-tittle job-tittle2">
                     <a href="#">
                        <h4>Senior FinOps Engineer</h4>
                     </a>
                     \langle ul \rangle
                        WPP
                        <i class="fas fa-map-marker-
alt"></i>Chennai,TamilNadu
                        RS.33500 - RS54000
                     </div>
                </div>
                <div class="items-link items-link2 f-right">
                   <a href="/job_details">Full Time</a>
                   <span>6 hours ago</span>
                </div>
              </div>
            </div>
    </section>
    <!-- Featured_job_end -->
    <!-- How Apply Process Start-->
    <div class="apply-process-area apply-bg pt-150 pb-150" data-</pre>
background="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/jobportalwebsite/assets/img/gallery/how-applybg.png">
       <div class="container">
         <!-- Section Tittle -->
         <div class="row">
            <div class="col-lg-12">
              <div class="section-tittle white-text text-center">
                <span>Apply process</span>
                <h2> How it works</h2>
              </div>
            </div>
         </div>
         <!-- Apply Process Caption -->
         <div class="row">
            <div class="col-lg-4 col-md-6">
```

```
<div class="single-process text-center mb-30">
             <div class="process-ion">
                <span class="flaticon-search"></span>
             </div>
             <div class="process-cap">
               <h5>1. Search a job</h5>
               </div>
           </div>
         </div>
         <div class="col-lg-4 col-md-6">
           <div class="single-process text-center mb-30">
             <div class="process-ion">
                <span class="flaticon-curriculum-vitae"></span>
             </div>
             <div class="process-cap">
               <h5>2. Apply for job</h5>
               </div>
           </div>
         </div>
         <div class="col-lg-4 col-md-6">
           <div class="single-process text-center mb-30">
             <div class="process-ion">
                <span class="flaticon-tour"></span>
             </div>
             <div class="process-cap">
               <h5>3. Get your job</h5>
               </div>
           </div>
         </div>
      </div>
     </div>
  </div>
  <!-- How Apply Process End-->
</main>
<footer>
```

```
<!-- Footer Start-->
    <div class="footer-area footer-bg footer-padding">
       <div class="container">
         <div class="row d-flex justify-content-between">
           <div class="col-xl-3 col-lg-3 col-md-4 col-sm-6">
             <div class="single-footer-caption mb-50">
              <div class="single-footer-caption mb-30">
                 <div class="footer-tittle">
                   <h4>About Us</h4>
                   <div class="footer-pera">
                     Connect the world's professionals to make them more
productive and successful.
                   </div>
                 </div>
              </div>
             </div>
           </div>
           <div class="col-xl-3 col-lg-3 col-md-4 col-sm-5">
              <div class="single-footer-caption mb-50">
                <div class="footer-tittle">
                   <h4>Contact Info</h4>
                   ul>
                     \langle li \rangle
                       Address :<br>
                          2, jobfinds ltd,
                          <br/>br>
                          Anna Nagar,
                          <br/>br>madurai
                     <a href="#">Phone : +99999 99999</a>
                     <a href="#">Email: info@jobfinder.com</a>
                   </div>
              </div>
           </div>
           <!-- footer-bottom area -->
    <div class="footer-bottom-area footer-bg">
```

```
<div class="container">
          <div class="footer-border">
             <div class="row d-flex justify-content-between align-items-center">
               <div class="col-xl-10 col-lg-10">
                  <div class="footer-copy-right">
                    >
 Copyright ©<script>document.write(new Date().getFullYear());</script> All
rights reserved
 </div>
               </div>
                  </div>
                 </div>
               </div>
            </div>
          </div>
       </div>
     </div>
     <!-- Footer End-->
  </footer>
<!-- JS here -->
               <!-- All JS Custom Plugins Link Here here -->
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/vendor/modernizr-
3.5.0.min.js"></script>
               <!-- Jquery, Popper, Bootstrap -->
               <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/vendor/jquery-
1.12.4.min.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/popper.min.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/bootstrap.min.js"></script>
          <!-- Jquery Mobile Menu -->
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/jquery.slicknav.min.js"></script>
               <!-- Jquery Slick , Owl-Carousel Plugins -->
```

```
<script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/owl.carousel.min.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/slick.min.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/price_rangs.js"></script>
               <!-- One Page, Animated-HeadLin -->
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/wow.min.js"></script>
               <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/animated.headline.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/jquery.magnific-popup.js"></script>
               <!-- Scrollup, nice-select, sticky -->
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/jquery.scrollUp.min.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/jquery.nice-select.min.js"></script>
               <script src="./assets/js/jquery.sticky.js"></script>
     <!-- contact is -->
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/contact.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/jquery.form.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/jquery.validate.min.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/mail-script.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/jquery.ajaxchimp.min.js"></script>
               <!-- Jquery Plugins, main Jquery -->
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/plugins.js"></script>
     <script src="http://s3.jp-tok.cloud-object-</pre>
storage.appdomain.cloud/jobportalwebsite/assets/js/main.js"></script>
     <script>
       window.watsonAssistantChatOptions = {
        integrationID: "65c01ed6-9fc1-4883-979a-3676279ebe44", // The ID of this
integration.
        region: "us-south", // The region your integration is hosted in.
```

GitHub Link:

https://github.com/IBM-EPBL/IBM-Project-39053-1660390054

Project Demo Link:

https://youtu.be/Yz_kIA-FEP0