

## INTRODUCTION

### Project overview

This Project view provides an overview of the skill and job recommended for individuals interested in a career in any fields. It discusses the important role that any field plays in businesses and the various skills that are necessary for success in this field. It also outlines the different job opportunities available in any field and the different types of companies that employ any field professionals.

## Purpose

Having lots of skills but wondering which job will best suit you ? Don’t need to worry! we have come up with a skill recommender solution through which the fresher or the skilled person can login and find the jobs by using search option or they can directly interact with the chatbot and get their dream job.



To develop an end to end web application capable o displaying the current job openings based on the skillset of the users.The users and their information are stored in the Database. An alert is sent when there is an opening based on the user skillset. User will interact with the chatbot and can get the recommendations based on his skills.We can use job search API to get the current job openings in the market which will fetch the data directly from the webpage.



1. **LITERATURE SURVEY**

## Existing problem

1. Students/Job seekers find their desired job based on their skillset.
2. Integrating Intelligent CHATBOT for job recommendation application.
3. A study of LinkedIn as an Employment Tool for Job seeker & Recruiter.
4. Cloud storage and sharing services.

## References

References link:

1. https://[www.researchgate.net/publication/272802616\_A\_survey\_of\_job\_recommender\_sys](http://www.researchgate.net/publication/272802616_A_survey_of_job_recommender_sys)

tems

1. https://[www.researchgate.net/publication/360820692\_Intelligent\_Chatbot](http://www.researchgate.net/publication/360820692_Intelligent_Chatbot)
2. Journal homepage: <http://www.ijrpr.com/> ISSN 2582-7421
3. https://[www.ijresm.com/](http://www.ijresm.com/)



## Problem Statement Definition

Dealing with the enormous amount of recruiting information on the internet, a job seeker always spends hours to find useful ones. Many times, people who lack industry knowledge are unclear about what exactly they need to learn in order to get a suitable job for them. We address the problem of recommending suitable jobs to people who are seeking a new job.

Job recommender technology aims to help job seekers in finding jobs that match their skills.

The internet caused a substantial impact on the recruitment process through the creation of e-recruiting platforms that become a primary recruitment channel in most companies. While companies established job positions on these portals, job-seeker uses them to publish their profiles. E-Recruitment platforms accomplished clear advantages for both recruiters and job-seekers by reducing the recruitment time and advertisement cost

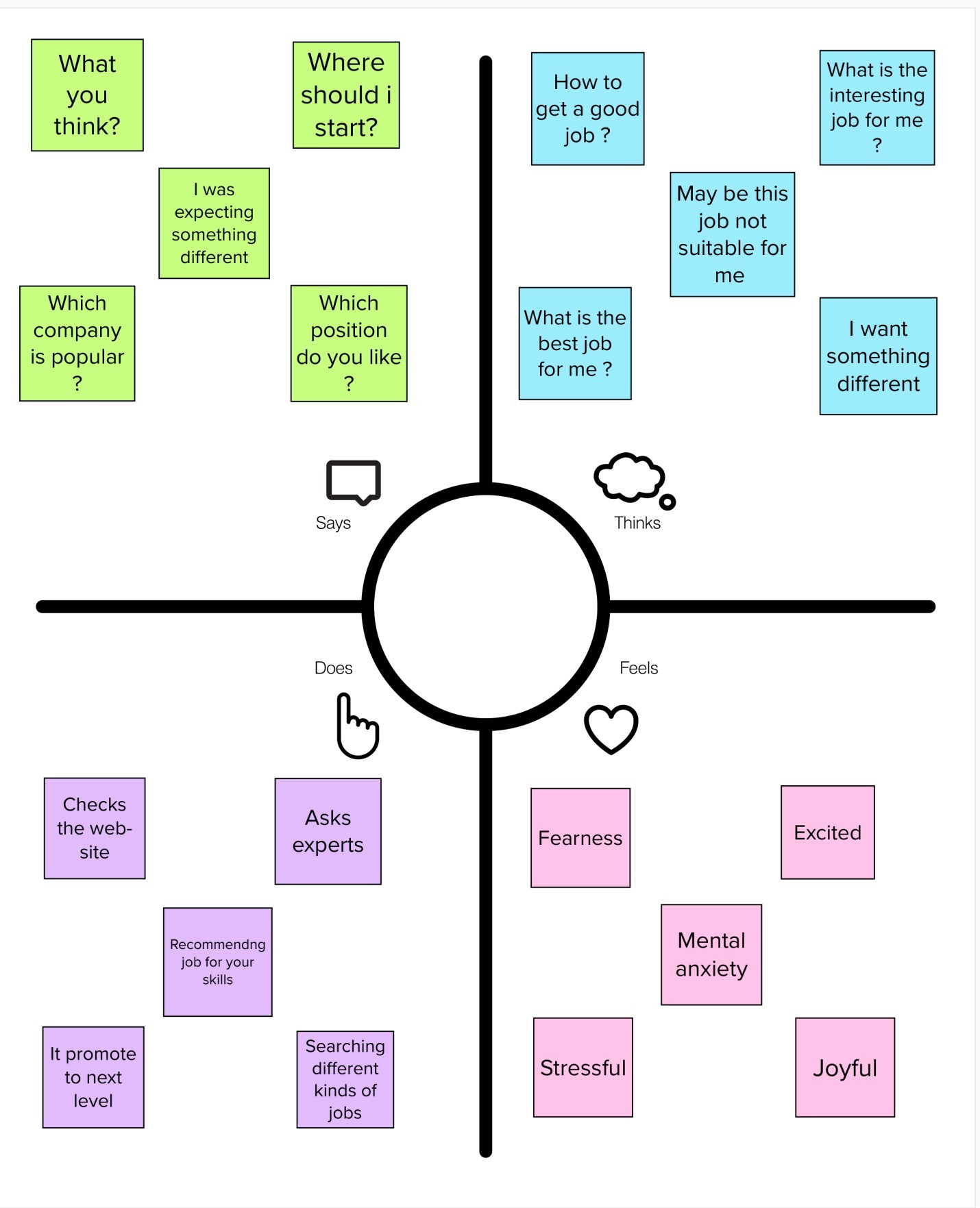
.Recommender system technology aims to help users in finding items that match their preferences; it has a successful usage in a wide-range of applications to deal with problems related to information overload efficiently. In order to improve the e-recruiting functionality, many



recommender system approaches have been proposed. This paper will analyze e-recruiting process and related issues for building personalized recommender system of candidates.

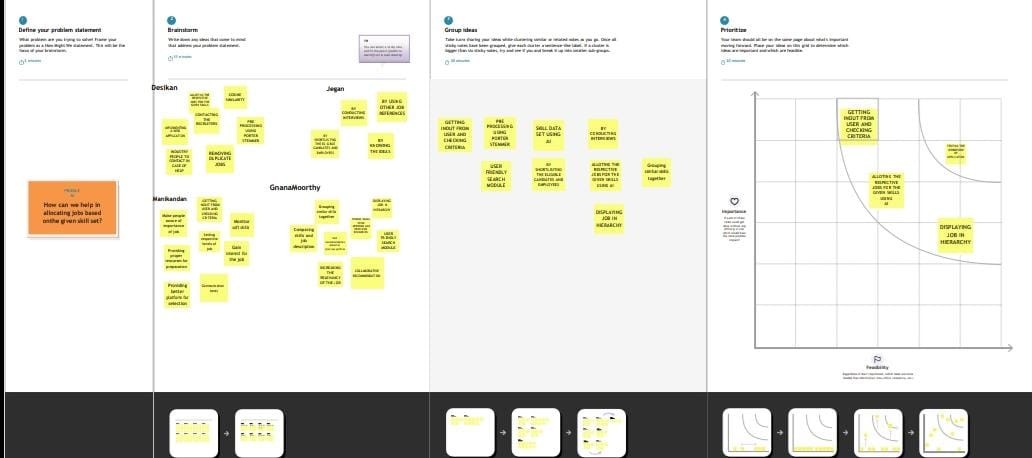


1. **IDEATION & PROPOSED SOLUTION**
   1. **Empathy Map Canvas**





### Ideation and Brainstroming



* 1. **Proposed Solution**

**Team ID PNT2022TMID31116**

**PROJECT NAME SKILL & JOB RECOMMENDER**

**S.NO**

**PARAMETER DESCRIPTION**



#### Problem Statement (Problem to be

1. **solved**)

### Idea/solution

1. **description**

Nowadays a lot of students have great skills but unable to get a desired/appropriate job, so an end-to-end web application can be created which is capable of displaying current job openings based on user skill set making it easier to hire and get hired.

To develop an end-to-end web application which in default have a lot of current job openings through job search API out of which appropriate job will be recommended based on user skill set. At the same time students can develop their skills side by side with various courses and webinars offered by reputed organization. In addition to this a smart chat bot will be available for 24\*7 which can help users in finding the right job.

Though we have a lot of job searching applications, this one is unique because,

* + We have a smart chatbot built with IBM Watson



### Novelty/Uniqueness

#### Social Impact/ Customer Satisfaction

1. **Business Model (Revenue Model)**

#### Scalability of the

1. **Solution**

* Our platform not only helps in getting job but also helps in developing skills to get right job
* Here you can save/bookmark jobs for later use and also turn on notification for company specific job alerts
* Add media files to your profile to showcase your achievements
* It is made responsive to all screen sizes

Students will be benefited as they will get to know which job suits them based on their skill set and therefore Lack of Unemployment can be reduced.

We can provide the application for job seekers in a subscription based and we can share the profiles with companies and generate the revenue by providing them best profiles.

Data can be scaled up and scaled down according to number of current job openings available.



### Problem Solution Fit





1. **REQUIREMENT ANALYSIS**
   1. **Function Requirement**

#### Software Required:

Python, Flask, Docker

* 1. **Non-Function Requirement**

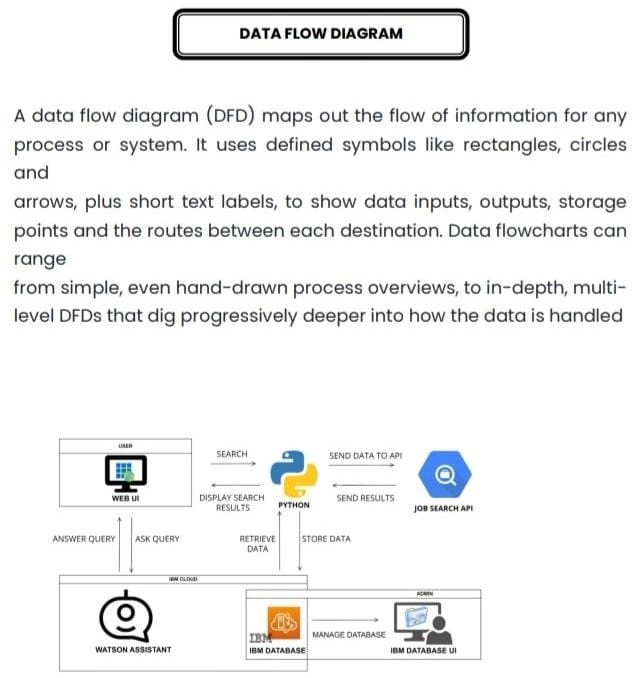
## System Required:

8GB RAM, Intel Core i3, OS- Windows/Linux/MAC

,Laptop or Desktop



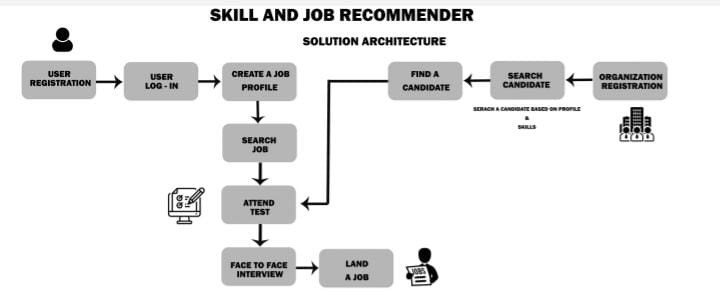
1. **PROJECT DESIGN**
   1. **Data Flow Diagrams**





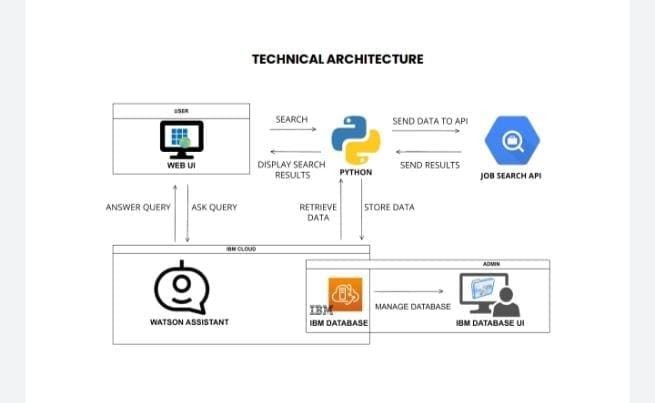
### Solution & Technical Architecture

**SOLUTION ARCHITECTURE**





### TECHNICAL ARCHITECTURE





### CODING & SOLUTIONING

* 1. **Feature 1**

JOB SEEKER

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bootstrap Example</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

<style>

.rus{

border-radius: 0%

};

.black{ color:black;

}

</style>

</head>

<body>

<!-------========================================================-->

<nav class="navbar navbar-inverse rus">

<div class="container-fluid">

<div class="navbar-header">

<a class="navbar-brand" href="#">Skill and Job Recommender</a>

</div>

<ul class="nav navbar-nav navbar-right">

<li><a href="#"><span class="glyphicon glyphicon-log-in"></span> Log out</a></li>

</ul>



</div>

</nav>

<!-------========================================================-->

<div class="container">

<ul class="nav nav-tabs">

<li class="active"><a data-toggle="tab" href="#home">Profile</a></li>

<li><a data-toggle="tab" href="#menu1">Eligibility Test</a></li>

<li><a data-toggle="tab" href="#menu2">Find Job</a></li>

</ul>

<div class="tab-content">

<div id="home" class="tab-pane fade in active">

<h3>PROFILE</h3>

<hr>

<form>

<div class="alert alert-danger">

<div class="form-group">

<label for="name"><span clss="black">Name: </span></label>

<input type="text" class="form-control" id="name" value="Mahadevan">

</div>

<div class="form-group">

<label for="email"><span class="black">Email Address </span></label>

<input type="text" class="form-control" id="email" value="[Mahadevan@gmaiil.com](mailto:Mahadevan@gmaiil.com)">

</div>

<div class="form-group">

<label for="email"><span class="black">Mobile No </span></label>

<input type="text" class="form-control" id="email" value="9003824096">

</div>

<div class="form-group">

<label for="quali"><span class="black">What is your Nationality

</span></label>

<input type="text" class="form-control" id="quali" value="India">

</div>

<div class="form-group">

<label for="quali">What is your Qualification</label>

<input type="text" class="form-control" id="quali" value="BE">

</div>

<div class="form-group">

<label for="quali">What year did you complete your bachelor Degree?</label>

<input type="text" class="form-control" id="quali" value="2023">

</div>

?</label>

<div class="form-group">

<label for="experience">How many years of work experience do you have

<input type="text" class="form-control" id="experience" value="0">

</div>



<div class="form-group">

<label for="place">Where have you graduated high school degree ?</label>

<input type="text" class="form-control" id="place" value="Government high school Ariyalur">

</div>

<div class="form-group">

<label for="SSLC">What is your SSLC Percentage :</label>

<input type="text" class="form-control" id="SSLC" value="90">

</div>

<div class="form-group">

<label for="HSC">What is your HSC Percentage :</label>

<input type="text" class="form-control" id="HSC" value="90">

</div>

<div class="form-group">

<label for="degree">What is your Percentage in bachelor Degree:</label>

<input type="text" class="form-control" id="degree" value="90.5">

</div>

<textarea class="form-control" id="aboutyou" rows="3" placeholder="Write few words about yourself"></textarea> <br> <br>

<button type="submit" class="btn btn-primary btn-success">Save changes</button> <br> <br>

</div>

</form>

</div>



<div id="menu1" class="tab-pane fade">

<h3>Eligibility Test </h3> <hr>

<div class="alert alert-info">

<label>What function is used to display output on the screen?</label>

<div class="radio">

<label><input type="radio" name="print">printf()</label>

</div>

<div class="radio">

<label><input type="radio" name="scanf">scanf()</label>

</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div> <hr>

<div class="alert alert-info">

<label>What function is used to display output on the screen?</label>

<div class="radio">

<label><input type="radio" name="print">printf()</label>

</div>

<div class="radio">

<label><input type="radio" name="scanf">scanf()</label>

</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div> <hr>

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</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div> <hr>



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<div class="radio">

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</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div> <hr>

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</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div><hr>

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<label><input type="radio" name="print">printf()</label>

</div>

<div class="radio">

<label><input type="radio" name="scanf">scanf()</label>

</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div>

<button type="submit" class="btn btn-primary btn-success">Submit the test</button> <br> <br>

</div>

<div id="menu2" class="tab-pane fade">

<h3>Find the job</h3> <hr>

<br>

job">

<div class="container">

<! >

<form>

<div class="input-group">

<input type="text" class="form-control" id="myInput" placeholder="Look for a

<div class="input-group-btn">

<button class="btn btn-default" type="submit">

<i class="glyphicon glyphicon-search"></i>

</button>

</div>

</div>

</form> <br> <br>



<! >

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">Java Developer</h4>

<h5 class="media-heading"> Company Name : JK Software Solution</h4>

<p>Job Location : Chennai</p>

<p> Salary : 45000</p>

<button type="submit" class="btn btn-primary btn-success">Apply </button>

<br> <hr>

</div>

</div>

</div>

<br>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">.NET Developer</h4>

<h5 class="media-heading"> Company Name : JK Software Solution</h4>

<br> <hr>

<p>Job Location : Chennai</p>

<p> Salary : 45000</p>

<button type="submit" class="btn btn-primary btn-success">Apply </button>

</div>

</div>



</div>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">PHP Developer</h4>

<h5 class="media-heading"> Company Name : JK Software Solution</h4>

<p>Job Location : Chennai</p>

<p> Salary : 45000</p>

<button type="submit" class="btn btn-primary btn-success">Apply </button>

<br> <hr>

</div>

</div>

</div>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">UX /UI Designer</h4>

<h5 class="media-heading"> Company Name : JK Software Solution</h4>

<p>Job Location : Chennai</p>

<p> Salary : 45000</p>

<button type="submit" class="btn btn-primary btn-success">Apply </button>

<br> <hr>

</div>

</div>

</div>

</div>



</div>

</div>

<script>

$(document).ready(function(){

$("#myInput").on("keyup", function() { var value = $(this).val().toLowerCase();

$("#myDIV \*").filter(function() {

$(this).toggle($(this).text().toLowerCase().indexOf(value) > -1)

});

});

});

</script>

</body>

</html>



**BACK END OF FEATURE 1**

from flask import \*#importing flask (Install it using python -m pip install flask) import os

import ibm\_db import bcrypt

#import send\_from\_directory

app = Flask( name ) #initialising flask app.secret\_key = ''

PEOPLE\_FOLDER = os.path.join('static', 'people\_photo')

import ibm\_db

conn = ibm\_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954- 7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;SECURITY=SSL;S SLServerCertificate=DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=phb43134;PWD=mTTnIE45 Raj9A0rr",'','')

@app.route("/") #defining the routes for the home() funtion (Multiple routes can be used as seen here)

@app.route("/home")

def dashboard():

return render\_template("dashboard.html") #rendering our home.html contained within /templates

def createjobseeker\_profile(): if request.method == 'POST':

name = request.form['name'] email = request.form['email']

mobileno=request.form['mobileno'] nationality=request.form['nationality'] qualification=request.form['qualification'] passout=request.form['passout'] experience=request.form['experience"]; degree=request.form['degree']; per\_sslc=request.form['per\_sslc']; per\_hsc=request.form['per\_hsc']; per\_degree=request.form['per\_degree'];

tum = request.files['resume']



tum.save(os.path.join(app.config['UPLOAD\_DIR'],tum.filename))

hash=bcrypt.hashpw(password.encode('utf-8'),bcrypt.gensalt())

query = "SELECT EMAIL FROM JOBSEEKER WHERE EMAIL=?"

stmt = ibm\_db.prepare(conn, query) ibm\_db.bind\_param(stmt,1,email) ibm\_db.execute(stmt)

isUser = ibm\_db.fetch\_assoc(stmt)

if not isUser:

insert\_sql = "INSERT INTO JOBSEEKER (name, email, mobileno, nationality, qualification, passout, experience, degree,per\_sslc,per\_hsc,per\_degree) VALUES (?,?,?,?,?,?,?,?,?,?,?,?)"

prep\_stmt = ibm\_db.prepare(conn, insert\_sql) ibm\_db.bind\_param(prep\_stmt, 1, name)

ibm\_db.bind\_param(prep\_stmt, 2, email)

ibm\_db.bind\_param(prep\_stmt, 3, mobileno)

ibm\_db.bind\_param(prep\_stmt, 4, nationality)

ibm\_db.bind\_param(prep\_stmt, 5, qualification)

ibm\_db.bind\_param(prep\_stmt, 6, passout)

ibm\_db.bind\_param(prep\_stmt, 7, experience)

ibm\_db.bind\_param(prep\_stmt, 8, degree)

ibm\_db.bind\_param(prep\_stmt, 9, per\_sslc)

ibm\_db.bind\_param(prep\_stmt, 10, per\_hsc)

ibm\_db.bind\_param(prep\_stmt, 11, per\_degree) ibm\_db.execute(prep\_stmt)

return render\_template('dashboard.html')

return render\_template('dashboard.html',name='Home')

@app.route('/logout') def logout():

session.pop('email', None) return redirect(url\_for('login'))



* 1. **Feature 2**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bootstrap Example</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial- scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootst rap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.m in.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstra p.min.js"></script>

<style>

.rus{

border-radius: 0%

};

.black{ color:black;

}

</style>

</head>

<body>

<nav class="navbar navbar-inverse rus">

<div class="container-fluid">

<div class="navbar-header">



<a class="navbar-brand" href="#">Skill and Job Recommender</a>

</div>

<ul class="nav navbar-nav navbar-right">

<li><a href="#"><span class="glyphicon glyphicon-log- in"></span> Log out</a></li>

</ul>

</div>

</nav>

<div class="container">

<ul class="nav nav-tabs">

<li class="active"><a data-toggle="tab" href="#home">Company Profile</a></li>

<li><a data-toggle="tab" href="#menu2">Find candidate</a></li>

</ul>

<div class="tab-content">

<div id="home" class="tab-pane fade in active">

<h3>COMPANY PROFILE</h3>

<hr>

<form>

<div class="alert alert-danger">

<div class="form-group">

<label for="name"><span clss="black">Company Name:

</span></label>

<input type="text" class="form-control" id="name" value="Mahadevan">

</div>

<div class="form-group">



<label for="email"><span class="black">Company Email Address </span></label>

<input type="text" class="form-control" id="email" value="[Mahadevan@gmaiil.com](mailto:Mahadevan@gmaiil.com)">

</div>

<div class="form-group">

<label for="email"><span class="black">Mobile No

</span></label>

<input type="text" class="form-control" id="email" value="9003824096">

</div>

<div class="form-group">

<label for="quali"><span class="black">Location</span></label>

<input type="text" class="form-control" id="quali" value="India">

</div>

<textarea class="form-control" id="aboutyou" rows="3" placeholder="Write few words about company"></textarea> <br>

<br>

<button type="submit" class="btn btn-primary btn- success">Save changes</button> <br> <br>

</div>

</form>

</div>

<div id="menu2" class="tab-pane fade">

<h3>Find the Condidate</h3> <hr>

<br>

<div class="container">

<!

>

<form>

<div class="input-group">

<input type="text" class="form-control" id="myInput"

placeholder="Look for a candidate">

<div class="input-group-btn">

<button class="btn btn-default"

type="submit"> search"></i>

<i class="glyphicon glyphicon-

</button>

</div>

</div>

</form> <br> <br>

<! >



<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">Name :

Mahadevan</h4>

<h5 class="media-heading"> Qualification : B.E (Computer Science Engineering )</h4>



<button type="submit" class="btn btn-primary btn- success">Know More </button> <br> <hr>

</div>

</div>

</div>

<br>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">Name :

Manikandan</h4>

<h5 class="media-heading"> Qualification : B.E (Computer Science Engineering )</h4>

<button type="submit" class="btn btn-primary btn- success">Know More </button> <br> <hr>

</div>

</div>

</div> <br>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

Kavi</h4>

<div class="media-body">

<h4 class="media-heading">Name :

<h5 class="media-heading"> Qualification : B.E

(Computer Science Engineering )</h4>



<button type="submit" class="btn btn-primary btn- success">Know More </button> <br> <hr>

</div>

</div>

</div> <br>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">Name :

Ram</h4>

<h5 class="media-heading"> Qualification : B.E

(Computer Science Engineering )</h4>

<button type="submit" class="btn btn-primary btn- success">Know More </button> <br> <hr>

</div>

</div>

</div> <br>

</div>

</div>

</div>

<script>

$(document).ready(function(){

$("#myInput").on("keyup", function() { var value = $(this).val().toLowerCase();

$("#myDIV \*").filter(function() {

$(this).toggle($(this).text().toLowerCase().indexOf(value)

> -1)

});

});

});

</script>

</body>

</html>

### CHATBOT :

**Chatbot has been implemented to provide**

### assistance .

window.watsonAssistantC hatOptions = {



integrationID: "d73273d3-3f44-4304- 84ee-8fd243016d1d", // The ID of this integration.

region: "jp-tok", // The region your integration is hosted in. serviceInstanceID: "81229104-ee6b-46da- ac1c-67ede110663a", // The ID of your service instance.

onLoad: function(instance) { instance.render(); }

};



setTimeout(function(){ const

t=document.createElement('script'); t.src="https://web-

chat.global.assistant.watson.appdomain. cloud/versions/" + (window.watsonAssistantChatOptions.clie ntVersion || 'latest') + "/WatsonAssistantChatEntry.js";

document.head.appendChild(t);

});

### Database Schema(if Applicable) :

import os

from sendgrid import SendGridAPIClient from sendgrid.helpers.mail import Mail

# from\_address we pass to our Mail object, edit with your name FROM\_EMAIL = 'Your\_Name@SendGridTest.com'

def SendEmail(to\_email):

""" Send an email to the provided email addresses

:param to\_email = email to be sent to

:returns API response code

:raises Exception e: raises an exception """ message = Mail(

from\_email=FROM\_EMAIL, to\_emails=to\_email,

subject='A Test from SendGrid!',

html\_content='<strong>Hello there from SendGrid your URL is: ' + '<a href=''https://github.com/cyberjive''>right here!</a></strong>')

try:

sg = SendGridAPIClient(os.environ.get('SENDGRID\_API\_KEY')) response = sg.send(message)

code, body, headers = response.status\_code, response.body, response.headers print(f"Response Code: {code} ")

print(f"Response Body: {body} ") print(f"Response Headers: {headers} ") print("Message Sent!")

except Exception as e: print("Error: {0}".format(e))

return str(response.status\_code)



if \_name\_ == "\_main\_":

SendEmail(to\_email=input("Email address to send to? "))

1. TESTING
   1. Test Cases



* 1. User Acceptance Testing



### RESULTS

The project has been completed as we expected.

We ensured that Database was designed and well connected to our project.

The Expected results were gotten.

### ADVANTAGES & DISADVANTAGES ADVANTAGES:

* Person who looks for a job can easily find a suitable job based on their skill set.
* Person can check their eligibility by attending eligibility test.
* Most of the Recruiters find the suitable person based on the scores they have gotten in the eligibility.

**DISADVANTAGES**

* Person Job May get technical difficulty while taking the eligibility



* Job seeker may have trouble to contact recruiters directly.



### CONCLUSION

The application has been developed to make job search easier .

The application that we have developed is user friendly .

User can find a job based on their skillset in the short period of time. The jobseeker certainly get benefit by using this application.

In the addition,Chatbot Has been implemented with the help of IBM whatson . The chatbot helps jobseeker and organization when they experience the difficulties**.**



1. **FUTURE SCOPE**

# The linked in the wellknown application to find a job and stay connected with professional and organization.

The job seekers and organization use linked in to find a job.

# In the future , There are lots of possibilities to enhance our project similar to linked in.

1. **APPENDIX** SOURCE CODE **Sprint 1: Index.html**

<!DOCTYPEhtml>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Log-in Page </title>

<link href="css/bootstrap.min.css" rel="stylesheet">

<script src="chat.js"></script>

</head>

<style>

.pad{

padding-top: 40%;

}



.bold{

font-weight: bolder;

}

.backgroundcolour{

background-color: beige;

}

.font{

font-weight: bolder; color:whitesmoke;

}

</style>

<body>

<div class="container">

<div class="row">

<div class="col-sm-6">

</div>

<div class="col-sm-6">

<div class="pad ">

<center><img src="images/logo.png" class="img-responsive" width="20%" height="20%"> </center> <HR>

<form>

<div

class="input-group">

<span

class="input-group-addon"><i class="glyphicon glyphicon-user"></i></span>

<input id="email" type="text" class="form-control" name="email" placeholder="Enter Your Registered Email ID" required>

class="input-group">

</div>

<br>

<div

<span

class="input-group-addon"><i class="glyphicon glyphicon-lock"></i></span>



<input id="password" type="password" class="form- control" name="password" placeholder="Enter Your Password" required>

</div>

<hr>

<div class="row">

<div class="col-sm-6">

<button type="submit" id="" class="btn btn- success btn-block"> <span class="font">LOG IN

</span></button>

</div>

<div class="col-sm-6">

<button id="" class="btn btn-danger btn- block"><a href="forget\_password.html"><span class="font">FORGET PASSWORD

</span></a></button>

<br>

</div>

</div>

</form>

<a href="signup.html"> <button type="submit" id="" class="btn btn-primary btn-block"><span class="font">CREATE AN ACCOUNT </span> </button>

</a>

</div>

</div>

</div>

</div>

<script src="js/jquery.min.js"></script>

<script src="js/bootstrap.min.js"></script>

<script src="chat.js"></script>

</body>

</html>

**FORGET-PASSWORD.html**

<!DOCTYPEhtml>



<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Responsive Sample</title>

<link href="css/bootstrap.min.css" rel="stylesheet">

</head>

<style>

.pad{

padding-top: 20%;

padding-left: 20%;



padding-right: 20%;

}

.bold{

font-weight: bolder;

}

</style>

<body>

<div class="container">

<div class="pad">

<form>

<center> <H3 class="bold">FORGET PASSWORD</H3></center> <hr>

<div class="form-group">

<label for="email">Email

address:</label>

<input type="email"

class="form-control" id="email" placeholder="Enter Your Registered Email Addtress">

</div>

<div class="form-group">

<label

for="pwd">OTP</label>

<input type="password"

class="form-control" id="pwd" placeholder="Enter your OTP ">

</div>

<button type="submit" class="btn btn-default">Recover Password</button>

</form>

</div>

</div>

<script src="js/jquery.min.js"></script>

<script src="js/bootstrap.min.js"></script>

</body>

</html>

###### SIGN UP.html

<!DOCTYPE

html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Creating New Account

</title>

<link href="css/bootstrap.min.css" rel="stylesheet">

</head>

<style>

.pad{

padding-top: 10%;

padding-bottom: 10%;

}

.bold{

font-weight: bolder;

}

</style>

<body>

<div class="container">

class="pad">

<div

<h3

class="bold">CREATE AN ACCOUNT</h3>

<HR>

<form> class="form-group">

<div

<label for="name">First Name</label>



<input type="name" class="form-control" id="name" placeholder="Enter Your First Name">

</div> class="form-group">

<label for="name">Last Name</label>

<div

<input type="name" class="form-control" id="name" placeholder="Enter Your Last Name">

</div>

<div class="form-group">

<label for="email">Email address:</label>

<input type="email" class="form-control" id="email" placeholder="Enter Your Email ID">

</div>

<div class="form-group">

<label for="pwd">Password:</label>

<input type="password" class="form-control" id="pwd" placeholder="Enter Your Password">

</div> class="form-group">

<div

<label for="repwd">Reenter Password:</label>



<input type="password" class="form-control" id="repwd" placeholder="Enter Your Password Again">



</div>

<button type="button" id="" class="btn btn-primary btn-block btn-danger">CREATE AN ACCOUNT</button>

<hr>

<button type="submit" id="login\_already" class="btn btn- primary btn-block btn-success">Do you have an Account Already

?</button>

</div>

</form>

</div>

</div>

<script src="js/jquery.min.js"></script>

<script src="js/bootstrap.min.js"></script>

<script src="chat.js"></script>

</body>

</html>



**BACK END :**

import os import ibm\_db import bcrypt

#import send\_from\_directory

app = Flask( name ) #initialising flask app.secret\_key = ''

PEOPLE\_FOLDER = os.path.join('static', 'people\_photo') import ibm\_db

conn = ibm\_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f- 46df-8954-

7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;P ORT=32733;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRoo tCA.crt;PROTOCOL=TCPIP;UID=phb43134;PWD=mTTnIE45Raj9A0rr",'', '')

@app.route("/") #defining the routes for the home() funtion (Multiple routes can be used as seen here) @app.route("/home")

def home():

return render\_template("home.html") #rendering our home.html contained within /templates @app.route("/login")

def login():

if request.method == 'POST': email = request.form['email']

password = request.form['password'] if not email or not password:

return render\_template('login.html',error='Please fill all fields')

query = "SELECT \* FROM USER WHERE email=?" stmt = ibm\_db.prepare(conn, query) ibm\_db.bind\_param(stmt,1,email) ibm\_db.execute(stmt)

isUser = ibm\_db.fetch\_assoc(stmt) print(isUser,password)

if not isUser: return

render\_template('login.html',error='Invalid Credentials')



isPasswordMatch = bcrypt.checkpw(password.encode('utf- 8'),isUser['PASSWORD'].encode('utf-8'))

if not isPasswordMatch: return

render\_template('login.html',error='Invalid Credentials') session['email'] = isUser['EMAIL']

return redirect(url\_for('user\_dashboard')) return render\_template('login.html',name='Home')

app.config["UPLOAD\_DIR"] = "uploads" @app.route("/register",methods=['GET','POST']) def register():

if request.method == 'POST': email = request.form['email']

password = request.form['password'] firstname=request.form['firstname'] middlename=request.form['middlename'] lastname=request.form['lastname'] dob=request.form['dob'] age=request.form['age'] drno=request.form['drno'] landmark1=request.form['lnmk1'] landmark2=request.form['lnmk2'] village =request.form['village'] district=request.form['district'] pincode=request.form['pincode'] country=request.form['country']

country\_code=request.form['countryCode']

phone=request.form['phone'] schlname10=request.form['schlname10'] maxmark10=request.form['maxmark10'] actmark10=request.form['actmark10'] schlname212=request.form['schlname212'] maxmark212=request.form['maxmark212'] actmark212=request.form['actmark212'] clgname=request.form['clgname'] clgmaxmark=request.form['clgmaxmark'] clgactmark=request.form['clgactmark'] stream=request.form['stream'] graduation=request.form['graduation'] grayear=request.form['grayear'] branch=request.form['branch'] skills=request.form['form[]'] q1=request.form['Q1'] q2=request.form['Q2']



q3=request.form['Q3'] q4=request.form['Q4'] q5=request.form['Q5'] position=request.form['position'] experience=request.form['expyears'] designation=request.form['designation'] tum = request.files['resume']

tum.save(os.path.join(app.config['UPLOAD\_DIR'],tum.filename)) hash=bcrypt.hashpw(password.encode('utf-

8'),bcrypt.gensalt())

query = "SELECT EMAIL FROM JOBSEEKER WHERE EMAIL=?"

stmt = ibm\_db.prepare(conn, query) ibm\_db.bind\_param(stmt,1,email) ibm\_db.execute(stmt)

isUser = ibm\_db.fetch\_assoc(stmt)

if not is User:

insert\_sql = "INSERT INTO JOBSEEKER (EMAIL, PASSWORD, FIRSTNAME, MIDDLENAME, LASTNAME, DOB, AGE, DOOR\_NO, LANDMARK1, LANDMARK2,VILLAGE, DISTRICT, PINCODE, COUNTRY, COUNTRY\_CODE, PHONE, SCHOOL\_NAME, SC\_MAX\_MARK, SC\_ACT\_MARK,HSC\_SCHOOL\_NAME,HSC\_MAX\_MARK, HSC\_ACT\_MARK,COLLEGE\_NAME,COLLEGE\_MAX,COLLEGE\_ACT, STREAM, GRADUATION, GRADUATION\_YEAR, BRANCH, SKILLS, PRESENTATION, HACKATHON, CODING, WON, PRIZE\_WON, POSITION, EXPYEARS,DESIGNATION, RESUME) VALUES (?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,?,

?,?,?,?,?,?,?,?,?)"

prep\_stmt = ibm\_db.prepare(conn, insert\_sql) ibm\_db.bind\_param(prep\_stmt, 1, email)

ibm\_db.bind\_param(prep\_stmt, 2, password)

ibm\_db.bind\_param(prep\_stmt, 3, firstname)

ibm\_db.bind\_param(prep\_stmt, 4, middlename)

ibm\_db.bind\_param(prep\_stmt, 5, lastname)

ibm\_db.bind\_param(prep\_stmt, 6, dob)

ibm\_db.bind\_param(prep\_stmt, 7, age)

ibm\_db.bind\_param(prep\_stmt, 8, drno)

ibm\_db.bind\_param(prep\_stmt, 9, landmark1)

ibm\_db.bind\_param(prep\_stmt, 10, landmark2)

ibm\_db.bind\_param(prep\_stmt, 11, village)

ibm\_db.bind\_param(prep\_stmt, 12, district)

ibm\_db.bind\_param(prep\_stmt, 13, pincode)

ibm\_db.bind\_param(prep\_stmt, 14, country)



ibm\_db.bind\_param(prep\_stmt, 15, country\_code)

ibm\_db.bind\_param(prep\_stmt, 16, phone)

ibm\_db.bind\_param(prep\_stmt, 17, schlname10)

ibm\_db.bind\_param(prep\_stmt, 18, maxmark10)

ibm\_db.bind\_param(prep\_stmt, 19, actmark10)

ibm\_db.bind\_param(prep\_stmt, 20, schlname212)

ibm\_db.bind\_param(prep\_stmt, 21, maxmark212)

ibm\_db.bind\_param(prep\_stmt, 22, actmark212)

ibm\_db.bind\_param(prep\_stmt, 23, clgname)

ibm\_db.bind\_param(prep\_stmt, 24, clgmaxmark)

ibm\_db.bind\_param(prep\_stmt, 25, clgactmark)

ibm\_db.bind\_param(prep\_stmt, 26, stream)

ibm\_db.bind\_param(prep\_stmt, 27, graduation)

ibm\_db.bind\_param(prep\_stmt, 28, grayear)

ibm\_db.bind\_param(prep\_stmt, 29, branch)

ibm\_db.bind\_param(prep\_stmt, 30, skills)

ibm\_db.bind\_param(prep\_stmt, 31, q1)

ibm\_db.bind\_param(prep\_stmt, 32, q2)

ibm\_db.bind\_param(prep\_stmt, 33, q3)

ibm\_db.bind\_param(prep\_stmt, 34, q4)

ibm\_db.bind\_param(prep\_stmt, 35, q5)

ibm\_db.bind\_param(prep\_stmt, 36, position)

ibm\_db.bind\_param(prep\_stmt, 37, experience)

ibm\_db.bind\_param(prep\_stmt, 38, designation)

ibm\_db.bind\_param(prep\_stmt, 39, tum) ibm\_db.execute(prep\_stmt)

return render\_template('register.html') else:

return render\_template('register.html',error='Invalid Credentials')

return render\_template('register.html',name='Home') @app.route("/orgregister")

def orgregister():

return render\_template("orgregister.html") #rendering our register.html contained within /templates @app.route("/user\_dashboard")

def user\_dashboard():

return render\_template("user\_dashboard.html") @app.route('/logout')

def logout():

session.pop('email', None) return redirect(url\_for('login'))

if \_\_name == " main ": #checking if name\_\_'s value is

' main '. name is an python environment variable who's value will always be ' main ' till this is the first



instatnce of app.py running

app.run(debug=True,port=8080) #running flask (Initalised on line 4)

### SPRINT 2

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial- scale=1">

<title>Log-in Page </title>

<link href="css/bootstrap.min.css" rel="stylesheet">

<script src="chat.js"></script>

</head>

<style>

.pad{

padding-top: 40%;

}

.bold{

font-weight: bolder;



}

.backgroundcolour{ background-color: beige;

}

.font{

font-weight: bolder; color:whitesmoke;

}

</style>

<body>

<br>

<div class="container">

<div class="row">

<div class="col-sm-6">

<div class="pad ">



<center><img src="images/ORGANIZATION\_LOGO.png" class="img-responsive" width="20%" height="20%"> </center> <BR>

<form>

<div class="input-group">

<span class="input-group- addon"><i class="glyphicon glyphicon-user"></i></span>

<input id="email" type="text" class="form-control" name="email" placeholder="Enter Your Organization Registered Email ID" >

</div>

<br>

<div class="input-group">

<span class="input-group- addon"><i class="glyphicon glyphicon-lock"></i></span>

<input id="password" type="password" class="form-control" name="password" placeholder="Enter Your Password">

</div>

<hr>

<div class="row">

<div class="col-sm-6">

<button type="submit" id="" class="btn btn-success btn- block"> <span class="font">LOG IN </span></button>

</div>



<div class="col-sm-6">

<button id="" class="btn btn-danger btn-block">

<a href=""><span class="font">FORGET PASSWORD

</span></a></button>

</div>

</div> <br>

</form>

<ahref="Organization/Create\_Account/org\_create\_account.html">

<button type="submit" id="" class="btn btn-primary btn- block"><span class="font">CREATE AN ACCOUNT </span> </button>

</a>

</div>

</div>

<div class="col-sm-6">

<div class="pad ">

<center><img src="images/logo.png" class="img-responsive" width="20%" height="20%"> </center> <br>

group">

<form>

<div class="input-

<span class="input-

group-addon"><i class="glyphicon glyphicon-user"></i></span>

<input id="email" type="text" class="form-control" name="email" placeholder="Enter Your Registered Email ID" required>

</div>

<br>

group">

<div class="input-

<span class="input-

group-addon"><i class="glyphicon glyphicon-lock"></i></span>

<input id="password" type="password" class="form-control" name="password" placeholder="Enter Your Password" required>

</div>

<hr>



6">

<div class="row">

<div class="col-sm-

<button type="submit" id="" class="btn btn-success btn-block"> <span class="font">LOG IN </span></button>

6">

</div>

<div class="col-sm-

<button id="" class="btn btn-danger btn-block">



<a href="forget\_password.html">

<span class="font">FORGET PASSWORD </span></a></button>

</div>

</div> <br>

</form>

<a href="signup.html">

<button type="submit" id="" class="btn btn-primary btn-block">

<span class="font">CREATE AN ACCOUNT </span> </button>

</a></div>

</div>

</div>

</div>

<script src="js/jquery.min.js"></script>

<script src="js/bootstrap.min.js"></script>

<script src="chat.js"></script>

</body>

</html**>**

### FORGET-PASSWORD.html

<!DOCTYPEhtml>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Responsive Sample</title>

<link href="css/bootstrap.min.css" rel="stylesheet">

</head>

<style>

.pad{

padding-top: 20%;

padding-left: 20%;

padding-right: 20%;

}



.bold{

font-weight: bolder;

}

</style>

<body>

<div class="container">

<div class="pad">

<form>

<center> <H3 class="bold">FORGET PASSWORD</H3></center> <hr>

<div class="form-group">

<label for="email">Email

address:</label>

<input type="email"

class="form-control" id="email" placeholder="Enter Your Registered Email Addtress">

</div>

<div class="form-group">

<label

for="pwd">OTP</label>

<input type="password"

class="form-control" id="pwd" placeholder="Enter your OTP ">

</div>

<button type="submit" class="btn btn-default">Recover Password</button>

</form>

</div>

</div>

<script src="js/jquery.min.js"></script>

<script src="js/bootstrap.min.js"></script>

</body>

</html>

##### SIGNUP.html

<!DOCTYPE



html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Creating New Account

</title>

<link href="css/bootstrap.min.css" rel="stylesheet">

</head>

<style>

.pad{

padding-top: 10%;

padding-bottom: 10%;

}

.bold{

font-weight: bolder;

}

</style>

<body>

<div class="container">

class="pad">

<div

<h3

class="bold">CREATE AN ACCOUNT</h3>

<HR>

<form> class="form-group">

<div

<label for="name">First Name</label>

<input type="name" class="form-control" id="name" placeholder="Enter Your First Name">



</div> class="form-group">

<div

<label for="name">Last Name</label>

<input type="name" class="form-control" id="name" placeholder="Enter Your Last Name">

</div>

<div class="form-group">

<label for="email">Email address:</label>

<input type="email" class="form-control" id="email" placeholder="Enter Your Email ID">

</div>

<div class="form-group">

<label for="pwd">Password:</label>

<input type="password" class="form-control" id="pwd" placeholder="Enter Your Password">

</div> class="form-group">

<div

<label for="repwd">Reenter



Password:</label>

<input type="password" class="form-control" id="repwd" placeholder="Enter Your Password Again">

</div>

<button type="button" id="" class="btn btn-primary btn-block btn-danger">CREATE AN ACCOUNT</button>

<hr>

<button type="submit" id="login\_already" class="btn btn- primary btn-block btn-success">Do you have an Account Already

?</button>

</div>

</form>

</div>

</div>



<script src="js/jquery.min.js"></script>

<script src="js/bootstrap.min.js"></script>

<script src="chat.js"></script>

</body>

</html>

### HOME PAGE :

###### Forgot password.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Responsive Sample</title>

<link href="css/bootstrap.min.css" rel="stylesheet">

</head>

<style>

.pad{

padding-top: 20%;

padding-left: 20%;

padding-right: 20%;

}

.bold{

font-weight: bolder;



</style>

}

<body>

<div class="container">

<div class="pad">

<form>

<center> <H3 class="bold">FORGET PASSWORD</H3></center> <hr>

<div class="form-group">

<label for="email">Email

address:</label>

<input type="email" class="form-

control" id="email" placeholder="Enter Your Registered Email Addtress">

</div>

<div class="form-group">

<label for="pwd">OTP</label>

<input type="password" class="form- control" id="pwd" placeholder="Enter your OTP ">

</div>

<button type="submit" class="btn btn- default">Recover Password</button>

</form>

</div>

</div>



</html>

<script src="js/jquery.min.js"></script>

<script src="js/bootstrap.min.js"></script>

</body>



### Signup.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Creating New Account </title>

<link href="css/bootstrap.min.css" rel="stylesheet">

</head>

<style>

.pad{

padding-top: 10%;

padding-bottom: 10%;

}

.bold{

font-weight: bolder;

}

</style>

<body>

<div class="container">

ACCOUNT</h3>

<div class="pad">

<h3 class="bold">CREATE AN

<HR>

<form>

<div class="form-group">

<label

for="name">First Name</label>



<input type="name"

class="form-control" id="name" placeholder="Enter Your First Name">

</div>

<div class="form-group">

<label

for="name">Last Name</label>

<input type="name"

class="form-control" id="name" placeholder="Enter Your Last Name">

</div>

<div class="form-group">

for="email">Email address:</label>

<label

<input type="email"

class="form-control" id="email" placeholder="Enter Your Email ID">

for="pwd">Password:</label>

</div>

<div class="form-group">

<label

<input

type="password" class="form-control" id="pwd" placeholder="Enter Your Password">



</div>

<div class="form-group">

<label

for="repwd">Reenter Password:</label>

<input

type="password" class="form-control" id="repwd" placeholder="Enter Your Password Again">

</div>

<button type="button" id="" class="btn btn-primary btn-block btn- danger">CREATE AN ACCOUNT</button>

<hr>

<button type="submit" id="login\_already" class="btn btn-primary btn- block btn-success">Do you have an Account Already ?</button>

</div>

</form>

</div>

</div>



</html>

<script src="js/jquery.min.js"></script>

<script src="js/bootstrap.min.js"></script>

<script src="chat.js"></script>

</body>



### BACK END APP.PY

from flask import \*#importing flask (Install it using python -m pip install flask)

import os import ibm\_db import bcrypt

#import send\_from\_directory

app = Flask( name ) #initialising flask app.secret\_key = ''

PEOPLE\_FOLDER = os.path.join('static', 'people\_photo')

import ibm\_dbconn = ibm\_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954- 7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT

=32733;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.cr t;PROTOCOL=TCPIP;UID=phb43134;PWD=mTTnIE45Raj9A0rr",'','')

@app.route("/") #defining the routes for the home() funtion (Multiple routes can be used as seen here)

@app.route("/home")

def home():

return render\_template("index/INDEX.html") #rendering our home.html contained within /templates



@app.route("/login") def login():

if request.method == 'POST': email = request.form['email']

password = request.form['password'] if not email or not password:

return render\_template('login.html',error='Please fill all fields')

query = "SELECT \* FROM USER WHERE email=?" stmt = ibm\_db.prepare(conn, query) ibm\_db.bind\_param(stmt,1,email) ibm\_db.execute(stmt)

isUser = ibm\_db.fetch\_assoc(stmt) print(isUser,password)

if not isUser:

return render\_template('login.html',error='Invalid Credentials')

isPasswordMatch = bcrypt.checkpw(password.encode('utf- 8'),isUser['PASSWORD'].encode('utf-8'))

if not isPasswordMatch:

return render\_template('login.html',error='Invalid Credentials')



session['email'] = isUser['EMAIL']

return redirect(url\_for('user\_dashboard'))

return render\_template('login.html',name='Home')

app.config["UPLOAD\_DIR"] = "uploads" @app.route("/register",methods=['GET','POST']) def register():

if request.method == 'POST': email = request.form['email']

password = request.form['password'] firstname=request.form['firstname'] middlename=request.form['middlename'] lastname=request.form['lastname'] dob=request.form['dob'] age=request.form['age'] drno=request.form['drno'] landmark1=request.form['lnmk1'] landmark2=request.form['lnmk2'] village =request.form['village'] district=request.form['district'] pincode=request.form['pincode']



country=request.form['country'] country\_code=request.form['countryCode'] phone=request.form['phone'] schlname10=request.form['schlname10'] maxmark10=request.form['maxmark10'] actmark10=request.form['actmark10'] schlname212=request.form['schlname212'] maxmark212=request.form['maxmark212'] actmark212=request.form['actmark212'] clgname=request.form['clgname'] clgmaxmark=request.form['clgmaxmark'] clgactmark=request.form['clgactmark'] stream=request.form['stream'] graduation=request.form['graduation'] grayear=request.form['grayear'] branch=request.form['branch'] skills=request.form['form[]'] q1=request.form['Q1'] q2=request.form['Q2'] q3=request.form['Q3'] q4=request.form['Q4'] q5=request.form['Q5'] position=request.form['position'] experience=request.form['expyears'] designation=request.form['designation']



tum = request.files['resume']

tum.save(os.path.join(app.config['UPLOAD\_DIR'],tum.filename))

hash=bcrypt.hashpw(password.encode('utf- 8'),bcrypt.gensalt())

query = "SELECT EMAIL FROM ORGANIZATION WHERE EMAIL=?"

stmt = ibm\_db.prepare(conn, query) ibm\_db.bind\_param(stmt,1,email) ibm\_db.execute(stmt)

isUser = ibm\_db.fetch\_assoc(stmt)

if not isUser:

insert\_sql = "INSERT INTO ORGANIZATION (ORGANIZATION\_NAME, ORGANIZATION\_ID, ORGANIZATION\_ADDRESS,SET\_PASSWORD, REENTERPASSWORD) VALUES (?,?,?,?,?)"

prep\_stmt = ibm\_db.prepare(conn, insert\_sql) ibm\_db.bind\_param(prep\_stmt, 1, ORGANIZATION\_NAME)

ibm\_db.bind\_param(prep\_stmt, 2, ORGANIZATION\_ID)

ibm\_db.bind\_param(prep\_stmt, 3, ORGANIZATION\_ADDRESS)

ibm\_db.bind\_param(prep\_stmt, 4, SET\_PASSWORD)

ibm\_db.bind\_param(prep\_stmt, 5, REENTERPASSWORD) ibm\_db.execute(prep\_stmt)



return render\_template('Organization\Create\_Account\org\_create\_account. html')

else:

return render\_template('Organization\Create\_Account\org\_create\_account. html',error='Invalid Credentials')

return render\_template('create\_account.html',name='Home')

@app.route("/orgregister") def orgregister():

return render\_template("org\_create\_account.html") #rendering our register.html contained within /templates

@app.route("/user\_dashboard") def user\_dashboard():

return render\_template("user\_dashboard.html")

@app.route('/logout') def logout():

session.pop('email', None) return redirect(url\_for('login'))



if name == "\_\_main ": #checking if name\_\_'s value is ' main '. name is an python environment variable who's

value will always be ' main ' till this is the first instatnce of app.py running

app.run(debug=True,port=8080) #running flask (Initalised on line 4)

hash=bcrypt.hashpw(password.encode('utf- 8'),bcrypt.gensalt())

query = "SELECT EMAIL FROM JOBSEEKER WHERE EMAIL=?"

stmt = ibm\_db.prepare(conn, query) ibm\_db.bind\_param(stmt,1,email) ibm\_db.execute(stmt)

isUser = ibm\_db.fetch\_assoc(stmt)

if not isUser:

insert\_sql = "INSERT INTO JOBSEEKER (FIRSTNAME, LASTNAME,EMAIL\_ADDRESSS,PWD,REPWD=?"

prep\_stmt = ibm\_db.prepare(conn, insert\_sql) ibm\_db.bind\_param(prep\_stmt, 1, firstname)

ibm\_db.bind\_param(prep\_stmt, 2, lastname)

ibm\_db.bind\_param(prep\_stmt, 3, email\_address)

ibm\_db.bind\_param(prep\_stmt, 4, pwd)

ibm\_db.bind\_param(prep\_stmt, 5, repwd)

ibm\_db.execute(prep\_stmt)

return render\_template('Job Seeker\signup.html') else:

return render\_template('Job Seeker\signup.html',error='Invalid Credentials')

return render\_template('signup.html',name='Home')



###### JAVASCRIPT:

window.watsonAssistantCh atOptions= {

integrationID: "d73273d3-3f44- 4304-84ee-8fd243016d1d", // The ID of this integration.

region: "jp-tok", // The region your integration is hosted in.

serviceInstanceID: "81229104-ee6b- 46da-ac1c-67ede110663a", // The ID of your service instance.

onLoad: function(instance) { instance.render(); }

};

setTimeout(function(){ const

t=document.createElement('script'); t.src="https://web-

chat.global.assistant.watson.appdomain

.cloud/versions/" + (window.watsonAssistantChatOptions.cli entVersion || 'latest') + "/WatsonAssistantChatEntry.js";

document.head.appendChild(t);

});



**Verify.py**

from flask import request

from flask\_restful import Resource from utils.tokener import confirm\_token from utils.dbQuery import insertQuery class Verify(Resource): data=request.json

token=data["token"] email=confirm\_token(token) if(not email):

return {"status":"Couldn't verify"},400 res=insertQuery("UPDATE user set verified=True where email=?",(email,))

if(not res):

return {"status":"Couldn't Update"},400 return {"status":"verified successfully"},200



**SPRINT :3**

**FRONT END**

### DASHBROAD.html

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bootstrap Example</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial- scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootst rap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.m in.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstra p.min.js"></script>

<style>

.rus{

border-radius: 0%

};

.black{



color:black;

}

</style>

</head>

<body>

<!

========================================================-->

<nav class="navbar navbar-inverse rus">

<div class="container-fluid">

<div class="navbar-header">

<a class="navbar-brand" href="#">Skill and Job Recommender</a>

</div>

<ul class="nav navbar-nav navbar-right">

<li><a href="#"><span class="glyphicon glyphicon-log- in"></span> Log out</a></li>

</ul>

</div>

</nav>

<div class="container">

<ul class="nav nav-tabs">

<li class="active"><a data-toggle="tab" href="#home">Profile</a></li>



<li><a data-toggle="tab" href="#menu1">Eligibility Test</a></li>

<li><a data-toggle="tab" href="#menu2">Find Job</a></li>

</ul>

<div class="tab-content">

<div id="home" class="tab-pane fade in active">

<h3>PROFILE</h3>

<hr>

<form>

<div class="alert alert-danger">

<div class="form-group">

<label for="name"><span clss="black">Name:

</span></label>

<input type="text" class="form-control" id="name" value="Mahadevan">

</div>

<div class="form-group">

<label for="email"><span class="black">Email Address

</span></label>

<input type="text" class="form-control" id="email" value="[Mahadevan@gmaiil.com](mailto:Mahadevan@gmaiil.com)">

</div>

<div class="form-group">



<label for="email"><span class="black">Mobile No

</span></label>

<input type="text" class="form-control" id="email" value="9003824096">

</div>

<div class="form-group">

<label for="quali"><span class="black">What is your Nationality </span></label>

<input type="text" class="form-control" id="quali" value="India">

</div>

<div class="form-group">

<label for="quali">What is your Qualification</label>

<input type="text" class="form-control" id="quali"

value="BE">

</div>

<div class="form-group">

<label for="quali">What year did you complete your bachelor Degree?</label>

<input type="text" class="form-control" id="quali" value="2023">

</div>

<div class="form-group">

<label for="experience">How many years of work experience do you have ?</label>

<input type="text" class="form-control" id="experience" value="0">

</div>

<div class="form-group">

<label for="place">Where have you graduated high school degree ?</label>

<input type="text" class="form-control" id="place" value="Government high school Ariyalur">

</div>

:</label>

<div class="form-group">

<label for="SSLC">What is your SSLC Percentage

<input type="text" class="form-control" id="SSLC"

value="90">

</div>

:</label>

<div class="form-group">

<label for="HSC">What is your HSC Percentage

<input type="text" class="form-control" id="HSC"

value="90">



</div>



<div class="form-group">

<label for="degree">What is your Percentage in bachelor Degree:</label>

<input type="text" class="form-control" id="degree" value="90.5">

</div>

<textarea class="form-control" id="aboutyou" rows="3" placeholder="Write few words about yourself"></textarea> <br>

<br>

<button type="submit" class="btn btn-primary btn- success">Save changes</button> <br> <br>

</div>

</form>

</div>

<div id="menu1" class="tab-pane fade">

<h3>Eligibility Test </h3> <hr>

<div class="alert alert-info">

<label>What function is used to display output on the screen?</label>

<div class="radio">

<label><input type="radio" name="print">printf()</label>

</div>

<div class="radio">



<label><input type="radio" name="scanf">scanf()</label>

</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div> <hr>

<div class="alert alert-info">

<label>What function is used to display output on the screen?</label>

<div class="radio">

<label><input type="radio" name="print">printf()</label>

</div>

<div class="radio">

<label><input type="radio" name="scanf">scanf()</label>

</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div> <hr>

<div class="alert alert-info">



<label>What function is used to display output on the screen?</label>

<div class="radio">

<label><input type="radio" name="print">printf()</label>

</div>

<div class="radio">

<label><input type="radio" name="scanf">scanf()</label>

</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div> <hr>

<div class="alert alert-info">

<label>What function is used to display output on the screen?</label>

<div class="radio">

<label><input type="radio" name="print">printf()</label>

</div>

<div class="radio">

<label><input type="radio" name="scanf">scanf()</label>

</div>

<div class="radio">



<label><input type="radio" name="switch">switch</label>

</div>

</div> <hr>

<div class="alert alert-info">

<label>What function is used to display output on the screen?</label>

<div class="radio">

<label><input type="radio" name="print">printf()</label>

</div>

<div class="radio">

<label><input type="radio" name="scanf">scanf()</label>

</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div><hr>

<div class="alert alert-info">

<label>What function is used to display output on the screen?</label>

<div class="radio">

<label><input type="radio" name="print">printf()</label>

</div>

<div class="radio">

<label><input type="radio" name="scanf">scanf()</label>

</div>

<div class="radio">

<label><input type="radio" name="switch">switch</label>

</div>

</div>

<button type="submit" class="btn btn-primary btn-success">Submit the test</button> <br> <br>

</div>

<div id="menu2" class="tab-pane fade">

<h3>Find the job</h3> <hr>

<br>

<div class="container">

<form>

<div class="input-group">

<input type="text" class="form-control"

id="myInput" placeholder="Look for a job">



<div class="input-group-btn">

type="submit">

search"></i>

<button class="btn btn-default"

<i class="glyphicon glyphicon-

</button>

</div>

</div>

</form> <br> <br>



<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">Java

Developer</h4>

<h5 class="media-heading"> Company Name : JK Software Solution</h4>

<p>Job Location : Chennai</p>

<p> Salary : 45000</p>

<button type="submit" class="btn btn-primary btn- success">Apply </button> <br> <hr>

</div>



</div>

</div>

<br>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">.NET

Developer</h4>

<h5 class="media-heading"> Company Name : JK Software Solution</h4>

<p>Job Location : Chennai</p>

<p> Salary : 45000</p>

<button type="submit" class="btn btn-primary btn- success">Apply </button> <br> <hr>

</div>

</div>

</div>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">



<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">PHP

Developer</h4>

<h5 class="media-heading"> Company Name : JK Software Solution</h4>

<p>Job Location : Chennai</p>

<p> Salary : 45000</p>

<button type="submit" class="btn btn-primary btn- success">Apply </button> <br> <hr>

</div>

</div>

</div>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">UX /UI

Designer</h4>

<h5 class="media-heading"> Company Name : JK Software Solution</h4>



<p>Job Location : Chennai</p>

<p> Salary : 45000</p>

<button type="submit" class="btn btn-primary btn- success">Apply </button> <br> <hr>

</div>

</div>

</div>

</div>

</div>

</div>

<script>

$(document).ready(function(){

$("#myInput").on("keyup", function() { var value = $(this).val().toLowerCase();

$("#myDIV \*").filter(function() {

$(this).toggle($(this).text().toLowerCase().indexOf(value)

> -1)

});

});

});

</script>

</body>

</html>



### BACK END :

from flask import \*#importing flask (Install it using python -m pip install flask)

import os import ibm\_db import bcrypt

#import send\_from\_directory

app = Flask( name ) #initialising flask app.secret\_key = ''

PEOPLE\_FOLDER = os.path.join('static', 'people\_photo') import ibm\_db

conn = ibm\_db.connect("DATABASE=bludb;

HOSTNAME=54a2f15b-5c0f-46df-8954-

7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT

=32733;SECURITY=SSL;

SSLServerCertificate=DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID

=phb43134;PWD=mTTnIE45Raj9A0rr",'','')

@app.route("/") #defining the routes for the home() funtion (Multiple routes can be used as seen here)

@app.route("/home") def dashboard():

return render\_template("dashboard.html") def createjobseeker\_profile():

if request.method == 'POST': name = request.form['name'] email = request.form['email']

mobileno=request.form['mobileno']



nationality=request.form['nationality'] qualification=request.form['qualification'] passout=request.form['passout'] experience=request.form['experience"]; degree=request.form['degree']; per\_sslc=request.form['per\_sslc']; per\_hsc=request.form['per\_hsc']; per\_degree=request.form['per\_degree'];

tum = request.files['resume']

tum.save(os.path.join(app.config['UPLOAD\_DIR'],tum.filename)) hash=bcrypt.hashpw(password.encode('utf-

8'),bcrypt.gensalt())

query = "SELECT EMAIL FROM JOBSEEKER WHERE EMAIL=?"

stmt = ibm\_db.prepare(conn, query) ibm\_db.bind\_param(stmt,1,email) ibm\_db.execute(stmt)

isUser = ibm\_db.fetch\_assoc(stmt) if not isUser:

insert\_sql = "INSERT INTO JOBSEEKER (name, email, mobileno, nationality,

qualification, passout, experience, degree,per\_sslc,per\_hsc,per\_degree) VALUES (?,?,?,?,?,?,?,?,?,?,?,?)"

prep\_stmt = ibm\_db.prepare(conn, insert\_sql) ibm\_db.bind\_param(prep\_stmt, 1, name)

ibm\_db.bind\_param(prep\_stmt, 2, email)



ibm\_db.bind\_param(prep\_stmt, 3, mobileno)

ibm\_db.bind\_param(prep\_stmt, 4, nationality)

ibm\_db.bind\_param(prep\_stmt, 5, qualification)

ibm\_db.bind\_param(prep\_stmt, 6, passout)

ibm\_db.bind\_param(prep\_stmt, 7, experience)

ibm\_db.bind\_param(prep\_stmt, 8, degree)

ibm\_db.bind\_param(prep\_stmt, 9, per\_sslc)

ibm\_db.bind\_param(prep\_stmt, 10, per\_hsc)

ibm\_db.bind\_param(prep\_stmt, 11, per\_degree) ibm\_db.execute(prep\_stmt)

return render\_template('dashboard.html')

return render\_template('dashboard.html',name='Home') @app.route('/logout')

def logout():

session.pop('email', None) return redirect(url\_for('login'))



## SPRINT:4

<!DOCTYPE html>

<html lang="en">

<head>

<title>Bootstrap Example</title>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial- scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootst rap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.m in.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstra p.min.js"></script>

<style>

.rus{

border-radius: 0%

};

.black{ color:black;

}

</style>



</head>

<body>

<!

========================================================-->

<nav class="navbar navbar-inverse rus">

<div class="container-fluid">

<div class="navbar-header">

<a class="navbar-brand" href="#">Skill and Job Recommender</a>

</div>

<ul class="nav navbar-nav navbar-right">

<li><a href="#"><span class="glyphicon glyphicon-log- in"></span> Log out</a></li>

</ul>

</div>

</nav>

<!

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<div class="container">

<ul class="nav nav-tabs">

<li class="active"><a data-toggle="tab" href="#home">Company Profile</a></li>

<li><a data-toggle="tab" href="#menu2">Find candidate</a></li>



</ul>

<div class="tab-content">

<div id="home" class="tab-pane fade in active">

<h3>COMPANY PROFILE</h3>

<hr>

<form>

<div class="alert alert-danger">

<div class="form-group">

<label for="name"><span clss="black">Company Name:

</span></label>

<input type="text" class="form-control" id="name" value="Mahadevan">

</div>

<div class="form-group">

<label for="email"><span class="black">Company Email Address </span></label>

<input type="text" class="form-control" id="email" value="[Mahadevan@gmaiil.com](mailto:Mahadevan@gmaiil.com)">

</div>

<div class="form-group">

<label for="email"><span class="black">Mobile No

</span></label>

<input type="text" class="form-control" id="email" value="9003824096">



</div>

<div class="form-group">

<label for="quali"><span class="black">Location</span></label>

<input type="text" class="form-control" id="quali" value="India">

</div>

<textarea class="form-control" id="aboutyou" rows="3" placeholder="Write few words about company"></textarea> <br>

<br>

<button type="submit" class="btn btn-primary btn- success">Save changes</button> <br> <br>

</div>

</form>

</div>

<div id="menu2" class="tab-pane fade">

<h3>Find the Condidate</h3> <hr>

<br>

<div class="container">

<!

>

<form>

<div class="input-group">

<input type="text" class="form-control"

id="myInput" placeholder="Look for a candidate">

<div class="input-group-btn">

<button class="btn btn-default"

type="submit">

search"></i>

<i class="glyphicon glyphicon-

</button>

</div>

</div>

</form> <br> <br>



<! >

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">



<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">Name :

Mahadevan</h4>

<h5 class="media-heading"> Qualification : B.E (Computer Science Engineering )</h4>

<button type="submit" class="btn btn-primary btn- success">Know More </button> <br> <hr>

</div>

</div>

</div> <br>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">Name :

Manikandan</h4>

<h5 class="media-heading"> Qualification : B.E (Computer Science Engineering )</h4>

<button type="submit" class="btn btn-primary btn- success">Know More </button> <br> <hr>

</div>



</div>

</div> <br>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

</div>

<div class="media-body">

<h4 class="media-heading">Name :

Kavi</h4>

<h5 class="media-heading"> Qualification : B.E

(Computer Science Engineering )</h4>

<button type="submit" class="btn btn-primary btn- success">Know More </button> <br> <hr>

</div>

</div>

</div> <br>

<div style="width: 600px;">

<!-- Left-aligned -->

<div class="media">

<div class="media-left">

<img src="images/img\_avatar1.png" class="media-object" style="width:60px">

Ram</h4>

</div>

<div class="media-body">

<h4 class="media-heading">Name :

<h5 class="media-heading"> Qualification : B.E

(Computer Science Engineering )</h4>



<button type="submit" class="btn btn-primary btn- success">Know More </button> <br> <hr>

</div>

</div>

</div> <br>

</div>

</div>

</div>

<script>

$(document).ready(function(){

$("#myInput").on("keyup", function() { var value = $(this).val().toLowerCase();

$("#myDIV \*").filter(function() {

$(this).toggle($(this).text().toLowerCase().indexOf(value) > -1)

});

});

});

</script>

</body>

</html>

