| Project Title | Skill / Job Recommender Application |
|---|---|

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# PROJECT REPORT

## 1. INTRODUCTION

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 log in and find the jobs by using the search option or they can directly interact with the chatbot and get their dream job.

### 1.1. PROJECT OVERVIEW

There has been a sudden boom in the technical industry and an increase in the number of good startups. Keeping track of various appropriate job openings in top industry names has become increasingly troublesome. This leads to deadlines and hence important opportunities being missed. Through this research paper, the aim is to automate this process to eliminate this problem. To achieve this, IBM cloud services like db2, Watson assistant , cluster, kubernetes have been used. A hybrid system of Content-Based Filtering and Collaborative Filtering is implemented to recommend these jobs. The intention is to aggregate and recommend appropriate jobs to job seekers, especially in the engineering domain. The entire process of accessing numerous company websites hoping to find a relevant job opening listed on their career portals is simplified. The proposed recommendation system is tested on an array of test cases with a fully functioning user interface in the form of a web application. It has shown satisfactory results, outperforming the existing systems. It thus testifies to the agenda of quality over quantity

### 1.2 PURPOSE

With an increasing number of cash-rich, stable, and promising technical companies/startups on the web which are in much demand right now, many

candidates want to apply and work for these companies. They tend to miss out on these postings because there is an ocean of existing systems that list millions of jobs which are generally not relevant at all to the users. There is an abundance of choices and not much streamlining. On the basis of the actual skills or interests of an individual, job seekers often find themselves unable to find the appropriate employment for themselves. This system, therefore, approaches the idea from a data point of view, emphasizing more on the quality of the data than the quantity.

# 2.LITERATURE SURVEY

## 2.1 EXISTING PROBLEM

Existing system is not very efficient , it does not benefit the user in maximum way, so the proposed system uses ibm cloud services like db2, Watson virtual assistant , cluster , kubernetes and docker for containerization of the application.

## 2.2 REFERENCES


Shaha T Al-Otaibi and Mourad Ykhlef. “A survey of job recommender systems”. In: International Journal of the Physical Sciences 7.29 (2012), pp. 5127–5142. issn: 19921950. doi: 10.5897/IJPS12. 482

● N Deniz, A Noyan, and O G Ertosun. “Linking Person-job Fit to Job Stress: The Mediating Effect of Perceived Person-organization Fit”. In: Procedia - Social and Behavioral Sciences 207 (2015), pp. 369– 376.

● M Diaby, E Viennet, and T Launay. “Toward the next generation of recruitment tools: An online social network-based job recommender system”. In: Proc. of the 2013 IEEE/ACM Int. Conf. on Advances in Social Networks Analysis and Mining, ASONAM 2013 (2013), pp. 821–828. doi: 10. 1145/2492517.2500266.

● M Diaby and E Viennet. “Taxonomy-based job recommender systems on Facebook and LinkedIn profiles”. In: Proc. of Int. Conf. on Research Challenges in Information Science (2014), pp. 1–6. issn: 21511357. doi: 10.1109/RCIS.2014.6861048.

● M Kusner et al. “From word embeddings to document distances”. In: Proc. of the 32nd Int. Conf. on Machine Learning, ICML’15. 2015, pp. 957–966.

● T Mikolov et al. “Distributed Representations of Words and Phrases and Their Compositionality”. In: Proc. of the 26th Int. Conf. on Neural Information Processing Systems - Volume 2. NIPS’13. Lake Tahoe, Nevada, 2013, pp. 3111–3119. url: http://dl.acm.org/citation.cfm?id=2999792. 2999959.

● T Mikolov et al. “Efficient estimation of word representations in vector space”. In: arXiv preprint arXiv:1301.3781 (2013).

● G Salton and C Buckley. “Term-weighting approaches in automatic text retrieval”. In: Information Processing and Management 24.5 (1988), pp. 513–523. issn: 0306-4573. doi: https://doi.org/10. 1016/0306- 4573(88)90021- 0. url: http://www.sciencedirect.com/science/article/pii/ 030645738890021

## 2.3 PROBLEM STATEMENT DEFINITION

"Can an efficient recommender system be modeled for the Job seekers which recommend Jobs with the user’s skill set and job domain and also addresses the issue of cold start?".

In current situation recruitment s done manually for lakhs of students in which many talented students may lose their opportunities due to different reasons since it is done manually, and company also need the highly talented people from the mass group for their growth. So we have build a cloud application to do this process in a efficient manner.

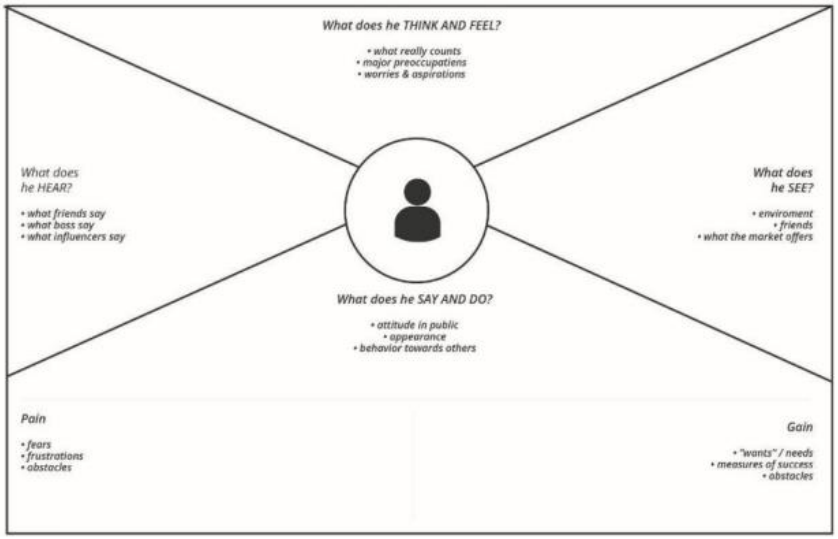
# 3.IDEATION AND PROPOSED SOLUTION

## 3.1 EMPATHY MAP

An empathy map is a collaborative visualization used to articulate what we know about a particular type of user. It externalizes knowledge about users in order to

1) create a shared understanding of user needs, and

2) aid in decision making



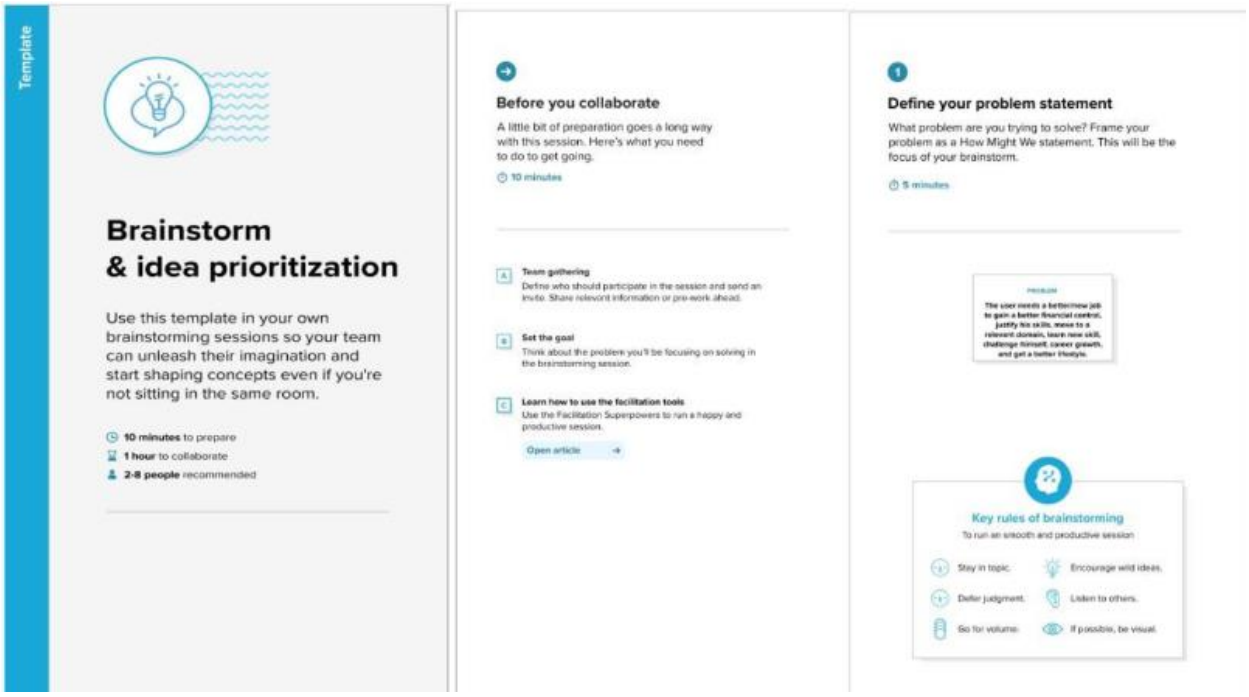

## 3.2 IDEATION AND BRAINSTROMING

Brainstorm & Idea Prioritization Template:

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions. Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

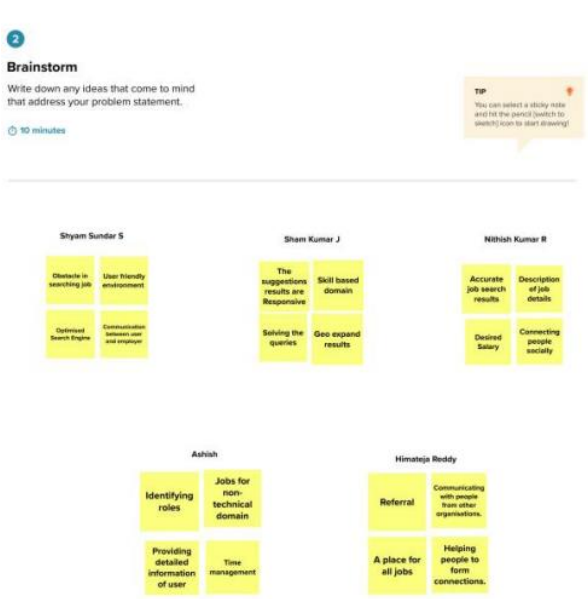
STEP 1:

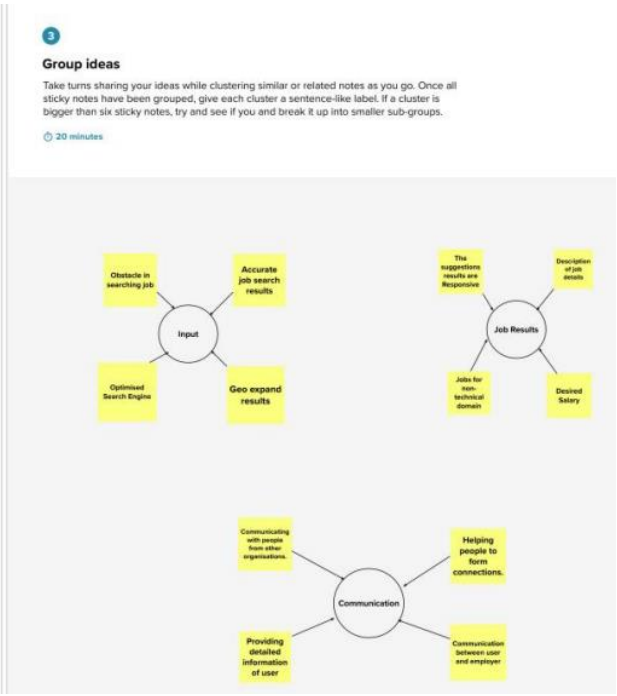
Team Gathering, Collaboration and Select the Problem Statement




STEP 2:

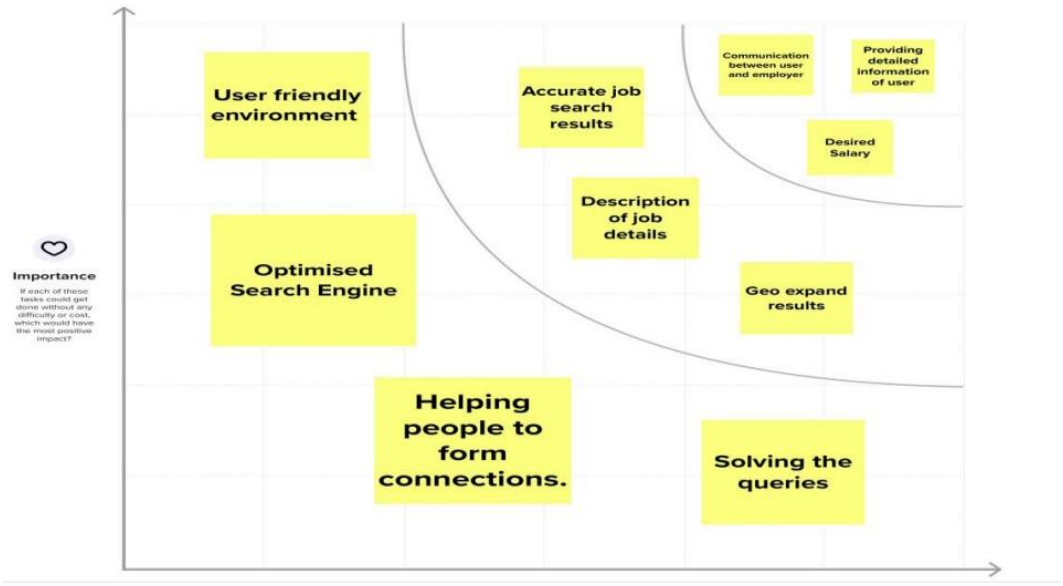
Brainstorm, Idea Listing and Grouping




STEP 3:

Idea Prioritization




## 3.3 PROPOSED SOLUTION

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 log in and find the jobs by using the search option or they can directly interact with the chatbot and get their dream job.

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

## 3.4 PROBLEM SOLUTION FIT

Define CS, Fit in CC

**1. CUSTOMER SEGMENT(S)**
**Who is your customer?**

CS

Customers who are not able to solve their own Problem and in need for a possible solution from their agents/job providers.

**6. CUSTOMER CONSTRAINT.**
**What constraint prevents your customer from taking action or limiting their choice of solution?**

CC

The problem of contacting the agent and all the problems and procedure in it.

**5. AVAILABLE SOLUTION**
**Which solutions are available to the customer when they face the problem.**

AS

- They can check FAQ's Session for fast support.
- If the problem is not listed, they can post the problem in new queries section.
- Which will be further assisted by the agent team.

Explore AS, Differentiate

Focus on J&P, Tap into BE, Understand RC

**2. JOBS-TO-BE-DONE/PROBLEMS**
**Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; Explore different sides?**

J&P

- This Application Allows Customers to get recommended job according to their skillset
- They will be able post their resume and wait for the solution.
- They will also get solutions to their queries
- They can also access our FAQ's Section on our website.

**9. PROBLEM ROOT CAUSE.**
**What is the real reason that the problem exists?**

RC

The only real reason that this problem exists is the lack of awareness and ratio of proven results which could create trust issues with their agent.

**7. BEHAVIOR**
**What does your customer do to address the problem and get the job done.**

BE

- They must first Post their resume and then wait for 2 hours.
- They can also use our chatbot to easily contact our Team.
- They can also refer the FAQ's session.

Focus on J&P, Tap into BE, Understand RC

Identify strong TR & ME

**3. TRIGGERS**
**What triggers customers to act.**

ER

- Customers get to know the absolute recommendation to their need.
- Fast Response.

**4. EMOTIONS: BEFORE/AFTER**
**How do customers feel when they face a problem or a job and afterwards.**

TM

- Enables Customers to Trust to their agent about posting their personal informations.
- Feeling comfortable with the solution and the company's service.

**10. YOUR SOLUTION**

RC

Our solution involves autonomous system which does the following:

- A personal Help desk which can be accessed through all the devices which are compatible with browser.
- Customers can post their queries in the new thread section.
- They can also access the FAQ's Section to see if the problem is already listed
- They can also view their results progress through their mails.
- They will get support from the team until the problem gets resolved.

**8. CHANNELS of BEHAVIOR**

CH

**ONLINE**

- For a new query they need an online connectivity to post and receive recommendation from our team.
- They can also use our chatbot 24/7 While they are in online.

**OFFLINE**

- They can Read the messages once it is received through the cloud app.
- They can access FAQ's while they are offline.

Identify strong TR & ME

# 4.REQUIREMENT ANALYSIS

## 4.1 FUNCTIONAL REQUIREMENT

| Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|---|---|
| User Registration | Registration through Form<br>Registration through Gmail |
| User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| Chat Bot | A Chat Bot will be there in website to solve user queries and problems related to applying a job, search for a job<br>and much more. |
| User Login | Login through Form<br>Login through Gmail |
| User Search | Exploration of Jobs based on job filters and skill recommendations. |
| User Profile | Updation of the user profile through the login credentials |
| User Acceptance | Confirmation of the Job. |

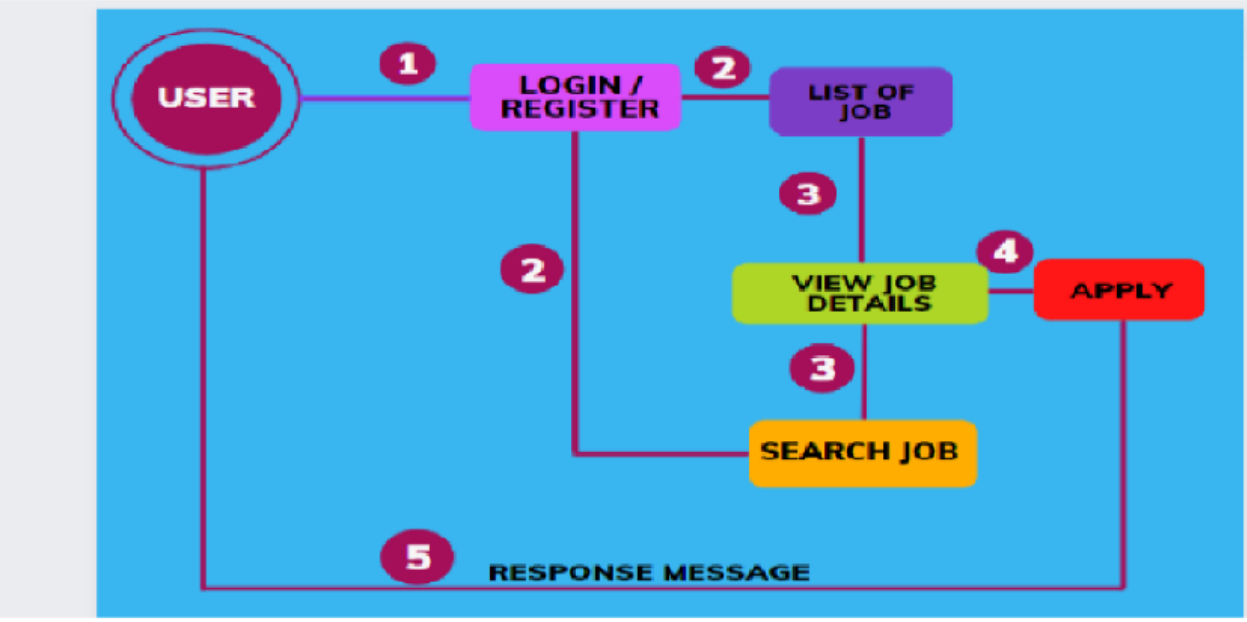
## 4.2 NON FUNCTIONAL REQUIREMENT

Non functional Requirements are :

1. Usability
2. Security
3. Reliability
4. Performance
5. Availability
6. Scalability

# 5 PROJECT DESIGN

## 5.1 DATAFLOW DIAGRAM




## 5.2 TECHNICAL ARCHITECTURE

Solution architecture is a complex process – with many sub-processes – that bridges

the gap between business problems and technology solutions. Its goals are to:

• Find the best tech solution to solve existing business problems.

• Describe the structure, characteristics, behaviour, and other aspects of the

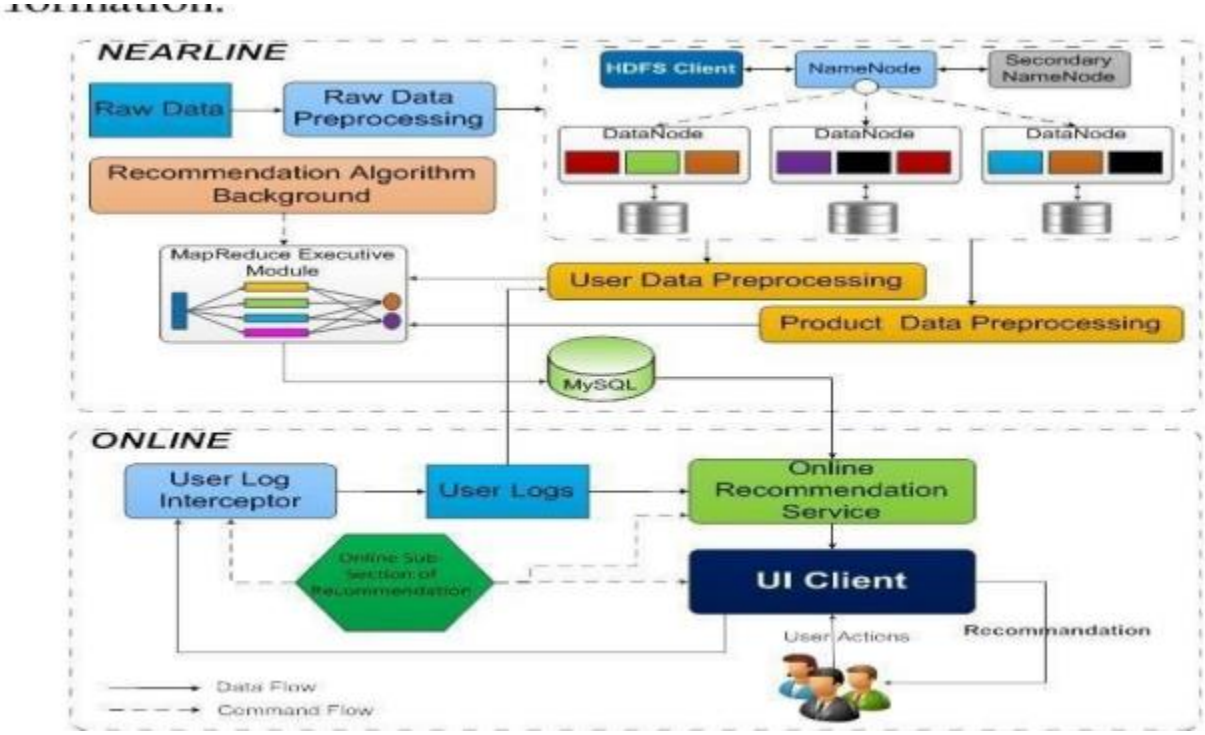
software to project stakeholders.

• Define features, development phases, and solution requirements.

• Provide specifications according to which the solution is defined, managed and delivered.

• Provide the best business require recommend by using the optimised and efficient algorithm

• Differentiate the fake job recommend by fake sites and be aware from the Scammers



# 6 PROJECT PLANNING AND SCHEDULING

## 6.1 SPRINT PLANNING AND EXSTIMATION

| Title | Description |
|---|---|
| **Information Gathering Literature Survey** | Referring to the research publications & technical papers, etc. |
| **Create Empathy Map** | Preparing the List of Problem Statements and to capture user pain and gains. |
| **Ideation** | Prioritise a top ideas based on feasibility and Importance. |
| **Proposed Solution** | Solutions including feasibility, novelty, social impact, business model and scalability of solutions. |
| **Problem Solution Fit** | Solution fit document. |
| **Solution Architecture** | Solution Architecture. |
| **Customer Journey** | To Understand User Interactions and experiences with application. |
| **Functional Requirement** | Prepare functional Requirement. |
| **Data flow Diagrams** | Data flow diagram. |
| **Technology Architecture** | Technology Architecture diagram. |
| **Milestone & sprint delivery plan** | Activities are done & further plans. |
| **Project Development Delivery of sprint 1,2,3 & 4** | Develop and submit the developed code by testing it. |

## 6.2 SPRINT DELIVERY SCHEDULE

| SPRINT | TASK | MEMBERS |
|---|---|---|
| SPRINT 1 | Create Registration page , login page , Job search portal , job apply portal in flask | Snegha C<br>Sneha M<br>Soumya Gupta<br>Sneka T |
| SPRINT 2 | Connect application to ibm db2 | Snegha C<br>Sneha M<br>Soumya Gupta<br>Sneka T |
| SPRINT 3 | Integrate ibm Watson assisstant | Snegha C<br>Sneha M<br>Soumya Gupta<br>Sneka T |
| SPRINT 4 | Containerize the app and Deploy the application in ibm cloud | Snegha C<br>Sneha M<br>Soumya Gupta<br>Sneka T |

# 7.CODING AND SOLUTIONING

## 7.1.FEATURE 1

Home Page:

Register Page:

Login Page:

Job Search Portal:

## 7.2. FEATURE 2

Watson Assisstant:

```
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "7sbHCwFHpNewLr-CnoMTBP9devCCY-VzM4P512zRlrnM",
// The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "9749a25a-8e00-4446-9a8d-c5880f045194s", // 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.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
</script>
```

# 8.TESTING

## 8.1. TESTCASES

a. same person should not register more than once
b. page should be login only when user types the correct username an password.
c. applying search criteria should yield the correct output.

# 9.RESULT

## 9.1. PERFORMANCE METRICS:

Error rates:
Errors are not found as every test cases are handles by exception handling.

User Interface:
This application has very simple user interface, which interacts with user in an efficient manner.

Efficiency:
This application has high efficiency as it is using cloud for storing cloud and it is fast in execution.

Customer needs:
Customer demand is well analyzed and application is implemented efficiently.

## 10. ADVANTAGE AND DISADVANTAGE

ADVANTAGE :

- It helps candidates to search the job which perfectly suites them and make them aware of all the job openings.
- It help recruiters of the company to choose the right candidates for their organisations with appropriate skills.
- Since it is cloud application , it does require any installation of softwares and is portable.

DISADVANTAGE:

- It is costly.
- Uninterrupted internet connection is required for smooth functioning of application.

## 11. CONCLUSION

we have used ibm cloud services like db2, cloud registry , kubernetes , Watson assistant to create this application , which will be very usefull for candidates who are searching for job and as well as for the company to select the right candidate for their organization.

# 12. FUTURE WORK

Future directions of our work will focus on performing a more exhaustive evaluation considering a greater amount of methods and data as well as a comprehensive evaluation of the impact of each professional skill of a job seeker on the received job recommendation. We can use machine learning technicques to recommend data in a efficient way.

# 13.APPENDIX

## 13.1. SOURCE CODE:

### app.py:

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

import os

import ibm_db



#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=DigiCe
rtGlobalRootCA.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 isUser:

      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'))
```

```
@app.route('/browse')
def addMarker():
  if 'loggedin' in session:
    query = "SELECT * FROM jobpost;"
    stmt = ibm_db.prepare(conn, query)
    ibm_db.execute(stmt)
    a=[]
    isUser = ibm_db.fetch_assoc(stmt)
    while(isUser!=False):
      a.append(isUser)
      isUser = ibm_db.fetch_assoc(stmt)
  else:
    return redirect(url_for('login'))
  return render_template("browse.html",result=a)



@app.route('/companies')
def companies():
  if 'loggedin' in session:
    query = "SELECT * FROM RECRUITER"
    stmt = ibm_db.prepare(conn, query)
    ibm_db.execute(stmt)
    a=[]
    isUser = ibm_db.fetch_assoc(stmt)
    while(isUser!=False):
      a.append(isUser)
      isUser = ibm_db.fetch_assoc(stmt)
  else:
    return redirect(url_for('login'))
  return render_template("companies.html",result=a)
```

```
@app.route("/jobpost",methods=['GET','POST'])
def jobpost():
  if 'loggedin' in session:
     if request.method == 'POST':
        recruiterid=request.form['recruiter_id']
        jobtitle = request.form['jobtitle']
        jobtype = request.form['jobtype']
        jobexp=request.form['jobexperience']
        keyskill=request.form['keyskills']
        location=request.form['location']
        salary=request.form['salary']
        discription=request.form['discription']

        insert_sql = "INSERT INTO JOBPOST (RECRUITER_ID,JOBTITLE, JOBTYPE, EXPERIENCE, KEYSKILL,
LOCATION, SALARY, DISCRIPTION) VALUES (?,?,?,?,?,?,?,?)"

        prep_stmt = ibm_db.prepare(conn, insert_sql)
        ibm_db.bind_param(prep_stmt, 1, recruiterid)
        ibm_db.bind_param(prep_stmt, 2, jobtitle)
        ibm_db.bind_param(prep_stmt, 3, jobtype)
        ibm_db.bind_param(prep_stmt, 4, jobexp)
        ibm_db.bind_param(prep_stmt, 5, keyskill)
        ibm_db.bind_param(prep_stmt, 6, location)
        ibm_db.bind_param(prep_stmt, 7, salary)
        ibm_db.bind_param(prep_stmt, 8, discription)
        ibm_db.execute(prep_stmt)
  else:
     return redirect(url_for('login'))
  return render_template("jobpost.html")
```

```
@app.route("/browse/searchjob",methods=['GET','POST'])

def searchjob():

    if request.method=='POST':

        searchopt=request.form['searchopt']

        srctitle=request.form['srctitle']

        query = "SELECT * FROM JOBPOST WHERE "+searchopt+"="+chr(39)+srctitle+chr(39)

        stmt = ibm_db.prepare(conn, query)

        ibm_db.execute(stmt)

        a=[]

        isUser = ibm_db.fetch_assoc(stmt)

        while(isUser!=False):

          a.append(isUser)

          isUser = ibm_db.fetch_assoc(stmt)

    return render_template('browse.html',result=a)
```

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)
```

## login.html:

```
<!DOCTYPE html>

<html>

<head>

  <meta charset="utf-8">

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

    <link rel="stylesheet" href="../static/style/login.css">

  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css" integrity="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk" crossorigin="anonymous">

  <link rel="shortcut icon" href="../static/images/j.png" type="image/x-icon">

    <title>Jobby - Login</title>

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.7.1/jquery.min.js"></script>

  <script src="https://www.google.com/jsapi"></script>
```

```
  <title></title>
</head>
<body>


  <div class="row log2r1">
    <div class=" col-md-6 log2set1">
      <div id="semicir"></div>
      <div id="semicir2"></div>
      <img src="{{url_for('static',filename = 'images/loinpg.png')}}">
    </div>


    <div class="col-md-6 locol1">
      <form>
        <select id="login-select" required style="padding-bottom: 20px; text-decoration: underline;">
          <option value="none" selected="selected">
            Login As Choose
          </option>
          <option value="Job Seeker" id="jobseeker" >
            Job Seeker
          </option>
          <option value="Organization">
            Organization
          </option>
        </select><br>


        <label>Username</label><br>
        <input type="email" name="email" id="email" required><br><br>


        <label>Password</label><br>
        <input type="password" name="password" id="password" required><br><br>
```

```
    <input type="submit" name="submit" value="submit" id="login-btn">

  </form>

  <br>



  <p>Forget Password?<i><a href="#" style="text-decoration: none;"> Click Here</a></i></p><hr>

  <br>

  <h5>Don't have account already?&amp;nbsp;&amp;nbsp;<a class="trigger_popup_fricc" style="text-decoration: none;"><i>Sign Up</i></a>  </h5>

 <div class="hover_bkgr_fricc">

 <span class="helper"></span>

 <div>

  <div class="popupCloseButton">&amp;times;</div>

  <p>Register As</p>

  <div class="row signsec1">

    <div class="col-md-4 card">

      <img src="{{url_for('static',filename = 'images/seeker.svg')}}"><br><br>

      <button class="button" id="buttonpop"><a href="register" >Job Seeker</a></button>



    </div>

    <div class="col-md-4 card">

      <img src="{{url_for('static',filename = 'images/organi.svg')}}"><br><br>

      <button class="button" id="buttonpop"><a href="orgregister">Organization</a></button>



    </div>

  </div>

 </div>

 </div>

 </div>

 </div>
```

```
</body>

</html>
```

```
<script>

  $(window).load(function () {

    $('.trigger_popup_fricc').click(function(){

      $('.hover_bkgr_fricc').show();

    });

    $('.hover_bkgr_fricc').click(function(){

      $('.hover_bkgr_fricc').hide();

    });

    $('.popupCloseButton').click(function(){

      $('.hover_bkgr_fricc').hide();

    });

});

</script>
```

## home.html

```
{% extends "template.html" %} {% block body %}



<head>

    <link rel="stylesheet" type="text/css" href="https://fonts.googleapis.com/css?family=Rancho&effect=shadow-multiple">

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css" integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk" crossorigin="anonymous">

    <link rel="stylesheet" href="../static/style/home.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>
    <script src="{{url_for('static',filename = 'js/country.js')}}"></script>


</head>
<!-- <h2>Home Page</h2>
<p>This is the home page!</p>



<form action="/account" method="POST">
    <input type="text" name="name" id="name" placeholder="Your Name" class="form-feild"><br>
    <button type="submit" class="add-btn">See Account Page</button>
</form>
<br> -->
<!--
<p>Note how this page can be accesed on both '/' and '/home'. Look into app.py for more information</p> -->
<br><br><br><br><br><br><br>


<div class="row">
    <div class="col-md-6 sec1div1" id="sec1">
        <div class="sec1i">
            <div >
            <p class="lineUp" style="margin-top: -100px;">Easiest way to find job</p>
            <h1 class="lineUp" style="font-size: 50px; margin-top:10px;">Find a Job.....  <br>Get your Dream
True.</h1><br><br><br><br><Br><BR><BR>
            </div>
            <div>
                <input type="text" class="icon-rtl" name="searchjob" placeholder="Search the job">
                <input id="myInput" type="text" name="country" placeholder="Country">
                <button class="button" id="button">Search Now</button>
            </div>
        </div>
    </div>
```

```
    <div class="col-md-6 sec1div2">
        <Br><br><br>
        <img id="head-img1"  src="{{url_for('static',filename = 'images/home.png')}}" >
    </div>
</div>
<br><br><br>



<!-- <center>
    <h3>Search by</h3>
</center>
<div class="row">
    <div class="col-md-2">
    </div>
</div> -->



<div class="row r3">
    <div class="col-md-6 img1">
        <img id="head-img2" src="{{url_for('static',filename = 'images/business.jpg')}}" >
    </div>
    <div class="col-md-6 r3col2">
    </div>
</div>
<div class="row subr3" bgcolor="white">
            <div class="col-md-2 imgcol2">
            </div>
            <div class="col-md-2 imgcol2">
            </div>
            <div class="col-md-2 imgcol2">
            </div>
        </div>
```

```
                        <!-----------------------SECTION 2---------------------------------------------->
<div class="bacr2">
<center>
   <h5 class="tp">Browse by Top Categories</h5><hr width="100px">
</center>


<div class="row r2">
   <div class="col-md-2 r2col1" id="r2col1">
      <center>
      <div class="r2col1i">
         <i class="fa fa-server" aria-hidden="true"></i>
        <h6>Design</h6>
      </div>
      <center>
   </div>
   <div class="col-md-2 r2col1" id="r2col1">
      <center>
      <div class="r2col1i">
         <i class="fa fa-compass" aria-hidden="true"></i>
        <h6>Architect</h6>
      </div>
      <center>
   </div>
   <div class="col-md-2 r2col1" id="r2col1">
      <center>
      <div class="r2col1i">
         <i class="fa fa-graduation-cap" aria-hidden="true"></i>
        <h6>Education</h6>
      </div>
```

```
      <center>
    </div>
    <div class="col-md-2 r2col1" id="r2col1">
      <center>
      <div class="r2col1i">
        <i class="fa fa-stethoscope" aria-hidden="true"></i>
        <h6>Health</h6>
      </div>
      <center>
    </div>
    <div class="col-md-2 r2col1" id="r2col1">
      <center>
      <div class="r2col1i">
        <i class="fa fa-rss" aria-hidden="true"></i>
        <h6>Networking</h6>
      </div>
      <center>
    </div>
    <div class="col-md-2 r2col1" id="r2col1" >
      <center>
      <div class="r2col1i">
        <i class="fa fa-cogs" aria-hidden="true"></i>
        <h6>Development</h6>
      </div>
      <center>
    </div>
</div><br><br><br>


<center>
    <button class="button" id="button">Find More</button>
</center>
<br>
</div><br><br><br><br>
<!------------------------------------------------------------------------------------------------------------>
```

```
<center>
      <h4>Recent Jobs</h4><br><br>
   </center>
<div class="recjobs">
   <div class="setcard">
      <div class="jobcard">
         <div class="set-1">
          <img id="head-img" src="{{url_for('static',filename = 'images/Amazon.png')}}" style="display: inline-block; height: 50px; width:
50px;" >
          <p>Amazon</p>
         </div><br>
         <p>London, UK</p><hr>
         <h5>UI/UX Designer</h5>
         <h6>$30k - $50k</h6>
         <div class="skillneed">
            <p>Adobe XD</p>
            <p>Figma</p>
         </div><br>
         <button>Apply</button>
      </div>
   </div>

   <div class="setcard">
      <div class="jobcard">
         <div class="set-1">
          <img id="head-img" src="{{url_for('static',filename = 'images/what.png')}}" style="display: inline-block; height: 50px; width: 50px;" >
          <p>Whatsapp</p>
         </div><br>
         <p>Washington, America</p><hr>
         <h5>Program Analyst</h5>
         <h6>$43k - $75k</h6>
         <div class="skillneed">
            <p>C</p>
            <p>Java</p>
```

```
        </div><br>
        <button>Apply</button>
      </div>
    </div>

    <div class="setcard">
      <div class="jobcard">
        <div class="set-1">
          <img id="head-img" src="{{url_for('static',filename = 'images/Amazon.png')}}" style="display: inline-block; height: 50px; width: 50px;" >
          <p>Amazon</p>
        </div><br>
        <p>London, UK</p><hr>
        <h5>UI/UX Designer</h5>
        <h6>$30k - $50k</h6>
        <div class="skillneed">
          <p>Adobe XD</p>
          <p>Figma</p>
        </div><br>
        <button>Apply</button>
      </div>
    </div>

    <div class="setcard">
      <div class="jobcard">
        <div class="set-1">
          <img id="head-img" src="{{url_for('static',filename = 'images/Amazon.png')}}" style="display: inline-block; height: 50px; width: 50px;" >
          <p>Amazon</p>
        </div><br>
        <p>London, UK</p><hr>
        <h5>UI/UX Designer</h5>
        <h6>$30k - $50k</h6>
        <div class="skillneed">
```

```
            <p>Adobe XD</p>
            <p>Figma</p>
          </div><br>
          <button>Apply</button>
        </div>
    </div>


</div><br><br>
<button id="explore">Explore All</button><br>
<!-------------------------------------------------------------------------------------------------------------------->
<div class="r5">
    <center>
        <h3>How to Apply?</h3><br><br>
    </center>
    <div class="row r51">
        <div class="col-md-2 r5col1i" data-scrollreveal="enter bottom over 1.7s after 0.3s">
            <center>
            <i class="fa fa-search" aria-hidden="true"></i><br><br>
            <h6><strong>Search for Job</strong></h6>
            </center>
            <p>You have to search for the job that satisfies your all needs and make you to work in the comfortable zone.</p>
        </div>
        <div class="col-md-2 r5col1i">
            <center>
            <i class="fa fa-check-square-o" aria-hidden="true"></i><br><br>
            <h6><strong>Apply</strong></h6>
            <p>You have to search for the job that satisfies your all needs and make you to work in the comfortable zone.</p>
            </center>
        </div>
        <div class="col-md-2 r5col1i">
            <center>
            <i class="fa fa-handshake-o" aria-hidden="true"></i><br><br>
            <h6><strong>Get Selected</strong></h6>
            <p>You have to search for the job that satisfies your all needs and make you to work in the comfortable zone.</p>
```

```
            </center>
        </div>
    </div>
</div><br><br>
<div class="semihow" id="semihow">

    <br>
</div><br>

                    <!-----------------------NEXT---------------------------------------------->

<div class="row r3">
    <div class="col-md-6 img1">
        <img id="head-img" src="{{url_for('static',filename = 'images/business.jpg')}}" >
    </div>
    <div class="col-md-6 r3col2">
        <h3 class="lineUp">We help recruiters to find Talents</h3>
        <p class="lineUp">We collect reviews from our users so you can get an honest opinion of what an experience with our website are really like!</p><br>
        <center><h5><i>Our Top Recuiters</i></h5></center><br><br>
    </div>
</div>
<div class="row subr3" bgcolor="white">
            <div class="col-md-2 imgcol2">
                <img id="head-img" src="{{url_for('static',filename = 'images/Amazon.png')}}" > <br>
            </div>
            <div class="col-md-2 imgcol2">
                <img id="head-img" src="{{url_for('static',filename = 'images/Bookmyshow.png')}}" >  <br>
            </div>
            <div class="col-md-2 imgcol2">
                <img id="head-img" src="{{url_for('static',filename = 'images/Flipkart.png')}}" >  <br>
```

```
            </div>
        </div>



<!-------------------------SECTION 5---------------------------------------------->
<div class="tstr1">
    <center>
        <h3>Testimonials</h3><br><br>
    </center>
    <div class="cardtst">
        <span>
        <img src="{{url_for('static',filename = 'images/business.jpg')}}" style="border-radius: 100%; height:50px; width: 50px;">
        <h6>Laura, Hexaware Technologies</h6>
        </span><br><br>
        <blockquote>Jobby uplift my life to the next level, It keeps me alert on<br>
                every job updates based upon my skillset.And also it recommends<br>
                the skillset based upon my interest area.</blockquote>
    </div>
</div>


<!-------------------------------------SECTION - 6---------->
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "7sbHCwFHpNewLr-CnoMTBP9devCCY-VzM4P512zRlrnM", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "9749a25a-8e00-4446-9a8d-c5880f045194s", // 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.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";
    document.head.appendChild(t);
  });
```

```
</script>


{% endblock %}
```

## register.html

```
<!DOCTYPE html>

<html>

<head>

    {% block head %}

            <meta charset="utf-8">

            <link rel="stylesheet" href="../static/style/register.css">

    <link rel="stylesheet" type="text/css" href="https://fonts.googleapis.com/css?family=Rancho&effect=shadow-multiple">

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css" integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk" crossorigin="anonymous">

    <link rel="stylesheet" type="text/css" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">

    <link rel="shortcut icon" href="../static/images/j.png" type="image/x-icon">

    <title>Jobby - Register</title>

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.0/jquery.min.js"></script>

    <link href="https://cdn.jsdelivr.net/npm/select2@4.1.0-rc.0/dist/css/select2.min.css" rel="stylesheet" />

     <script src="../static/js/register.js"></script>

    <script src="https://cdn.jsdelivr.net/npm/select2@4.1.0-rc.0/dist/js/select2.min.js"></script>

    {% endblock %}

            <title></title>

</head>

<body>

            <img src="{{url_for('static',filename = 'images/registerpg.jpg')}}"><br><br><br>

            <center>

                    <h3>Registration on Jobby</h3><Br>

            </center>




<form name="form" onsubmit="required()" method="POST" enctype="multipart/form-data">
```

```
  <div id="Accountinfo">
     <div class="heading" >
     <div class="verbor" id="verbor"></div>
        <h4>Account Info</h4>
     </div>
     <div class="row Accountinfo">
        <div class="col-md-4 regr1col1">
                        <label>E-mail Id <a id="requi">*</a></label><br>
                        <input type="email" name="email" placeholder="Enter the mail address">
           </div>
           <div class="col-md-4 regr1col2">
                        <label>Password <a id="requi">*</a></label><br>
                        <input type="text" name="password" placeholder="Enter the mail address">
           </div>
           <div class="col-md-4 regr1col2">
                        <label>Confirm Password <a id="requi">*</a></label><br>
                        <input type="text" name="conpassword" placeholder="Enter the mail address">
           </div>
         </div><Br><Br>


  <center>
     <input type="button" id="button"onclick="persondetFun()" value="Save & Continue" readonly>
  </center>


 </div>


 <div id="menu">
  <ul type="none">
     <li>
        <i class="fa fa-address-card" aria-hidden="true" id="svglogo" onclick="persondetFun()">  Personal Info <i class="fa fa-check"
id="check"aria-hidden="true" style="color: green;"></i></i>
     </li>
```

```
        <li>

            <i class="fa fa-address-card" aria-hidden="true" id="svglogo" onclick="educationalFun()">  Educational Info <i class="fa fa-check" id="check2"aria-hidden="true" style="color: green;"></i></i>

        </li>



        <li>

            <i class="fa fa-address-card" aria-hidden="true" id="svglogo" onclick="skillsFun()">   Skills and Achievements <i class="fa fa-check" id="check3"aria-hidden="true" style="color: green;"></i></i>

        </li>



        <li>

            <i class="fa fa-address-card" aria-hidden="true" id="svglogo" onclick="declaretFun()">  Resume & Declaration</i></i>

        </li>





    </ul>

</div><br><br>

<center>

        <p id="warning"></p>

</center><br><br>

    <div id="persondet">

    <div class="heading" id="head2">

    <div class="verbor" id="verbor"></div>

    <h4>Personal Details</h4>

    </div>

    <br>

    <div class="row persondet">

                <div class="col-md-4 regr1col1">

                            <label>First Name <a id="requi">*</a></label><br>

                            <input type="text" name="firstname" placeholder="Enter your first name">

                </div>

                <div class="col-md-4 regr1col2">

                            <label>Middle Name</label><br>

                            <input type="text" name="middlename" placeholder="Enter your middle name">
```

```
            </div>
            <div class="col-md-4 regr1col2">
                        <label>Last Name <a id="requi">*</a></label><br>
                        <input type="text" name="lastname" placeholder="Enter your last name">
            </div>
            </div><Br>


            <div class="row persondet2" id="persondet2">
            <div class="col-md-4 regr1col1">
                        <label>D.O.B <a id="requi">*</a></label><br>
                        <input type="date" name="dob" id="age" placeholder="Enter your first name">
            </div>
            <div class="col-md-4 regr1col1">
                        <label>Age <a id="requi">*</a></label><br>
                        <input type="number" name="age"  id="age" placeholder="Check your Age by Setting D.O.B">
            </div>
</div>
<Br><br><br>



   <div class="row persondet3" id="persondet3">
   <div class="col-md-4 regr3col1">
      <label>Address/Door No/Flat No <a id="requi">*</a></label><br>
      <input type="text" name="drno" placeholder="Enter your home door no">
   </div>
   <div class="col-md-4 regr3col1">
      <label>Street Name/landmark1 <a id="requi">*</a></label><br>
      <input type="text" name="lnmk1" placeholder="Fill with landmark 1">
   </div>
   <div class="col-md-4 regr3col1">
      <label>Street Name/landmark2</label><br>
      <input type="text" name="lnmk2" placeholder="Fill with landmark 2 (optional)">
   </div>
```

```
</div><Br><Br><Br><Br><Br>


<div class="row persondet4" id="persondet4">
   <div class="col-md-4 regr4col1">
      <label>Village/ Town <a id="requi">*</a></label><br>
      <input type="text" name="village" placeholder="Fill with your village/town name">
   </div>
   <div class="col-md-4 regr4col1">
      <label>District <a id="requi">*</a></label><br>
      <input type="text" name="district" placeholder="Fill with your district name">
   </div>
   <div class="col-md-4 regr4col1">
      <label>Pincode <a id="requi">*</a></label><br>
      <input type="number" name="pincode" placeholder="Postal Pincode">
   </div><Br><Br><Br><Br><Br>


</div>


   <div class="row persondet5" id="persondet5">
   <div class="col-md-4 regr5col1">
      <label>Country <a id="requi">*</a></label><br>
      <div class="autocomplete" style="width:300px;">
         <input id="myInput" type="text" name="country" placeholder="Country">
      </div>
   </div>


   <div class="col-md-4 regr5col1">
                           <label>Country Code <a id="requi">*</a></label><br>
                           <select type=number name="countryCode" id="">
   <option data-countryCode="GB" value="44" Selected>Choose Country Code</option>
   <optgroup label="Other countries">
      <option data-countryCode="DZ" value="213">Algeria (+213)</option>
      <option data-countryCode="AD" value="376">Andorra (+376)</option>
```

<option data-countryCode="AO" value="244">Angola (+244)</option>

<option data-countryCode="AI" value="1264">Anguilla (+1264)</option>

<option data-countryCode="AG" value="1268">Antigua & Barbuda (+1268)</option>

<option data-countryCode="AR" value="54">Argentina (+54)</option>

<option data-countryCode="AM" value="374">Armenia (+374)</option>

<option data-countryCode="AW" value="297">Aruba (+297)</option>

<option data-countryCode="AU" value="61">Australia (+61)</option>

<option data-countryCode="AT" value="43">Austria (+43)</option>

<option data-countryCode="AZ" value="994">Azerbaijan (+994)</option>

<option data-countryCode="BS" value="1242">Bahamas (+1242)</option>

<option data-countryCode="BH" value="973">Bahrain (+973)</option>

<option data-countryCode="BD" value="880">Bangladesh (+880)</option>

<option data-countryCode="BB" value="1246">Barbados (+1246)</option>

<option data-countryCode="BY" value="375">Belarus (+375)</option>

<option data-countryCode="BE" value="32">Belgium (+32)</option>

<option data-countryCode="BZ" value="501">Belize (+501)</option>

<option data-countryCode="BJ" value="229">Benin (+229)</option>

<option data-countryCode="BM" value="1441">Bermuda (+1441)</option>

<option data-countryCode="BT" value="975">Bhutan (+975)</option>

<option data-countryCode="BO" value="591">Bolivia (+591)</option>

<option data-countryCode="BA" value="387">Bosnia Herzegovina (+387)</option>

<option data-countryCode="BW" value="267">Botswana (+267)</option>

<option data-countryCode="BR" value="55">Brazil (+55)</option>

<option data-countryCode="BN" value="673">Brunei (+673)</option>

<option data-countryCode="BG" value="359">Bulgaria (+359)</option>

<option data-countryCode="BF" value="226">Burkina Faso (+226)</option>

<option data-countryCode="BI" value="257">Burundi (+257)</option>

<option data-countryCode="KH" value="855">Cambodia (+855)</option>

<option data-countryCode="CM" value="237">Cameroon (+237)</option>

<option data-countryCode="CA" value="1">Canada (+1)</option>

<option data-countryCode="CV" value="238">Cape Verde Islands (+238)</option>

<option data-countryCode="KY" value="1345">Cayman Islands (+1345)</option>

<option data-countryCode="CF" value="236">Central African Republic (+236)</option>

<option data-countryCode="CL" value="56">Chile (+56)</option>

<option data-countryCode="CN" value="86">China (+86)</option>

<option data-countryCode="CO" value="57">Colombia (+57)</option>

<option data-countryCode="KM" value="269">Comoros (+269)</option>

<option data-countryCode="CG" value="242">Congo (+242)</option>

<option data-countryCode="CK" value="682">Cook Islands (+682)</option>

<option data-countryCode="CR" value="506">Costa Rica (+506)</option>

<option data-countryCode="HR" value="385">Croatia (+385)</option>

<option data-countryCode="CU" value="53">Cuba (+53)</option>

<option data-countryCode="CY" value="90392">Cyprus North (+90392)</option>

<option data-countryCode="CY" value="357">Cyprus South (+357)</option>

<option data-countryCode="CZ" value="42">Czech Republic (+42)</option>

<option data-countryCode="DK" value="45">Denmark (+45)</option>

<option data-countryCode="DJ" value="253">Djibouti (+253)</option>

<option data-countryCode="DM" value="1809">Dominica (+1809)</option>

<option data-countryCode="DO" value="1809">Dominican Republic (+1809)</option>

<option data-countryCode="EC" value="593">Ecuador (+593)</option>

<option data-countryCode="EG" value="20">Egypt (+20)</option>

<option data-countryCode="SV" value="503">El Salvador (+503)</option>

<option data-countryCode="GQ" value="240">Equatorial Guinea (+240)</option>

<option data-countryCode="ER" value="291">Eritrea (+291)</option>

<option data-countryCode="EE" value="372">Estonia (+372)</option>

<option data-countryCode="ET" value="251">Ethiopia (+251)</option>

<option data-countryCode="FK" value="500">Falkland Islands (+500)</option><option data-countryCode="FO" value="298">Faroe Islands (+298)</option>

<option data-countryCode="FJ" value="679">Fiji (+679)</option>

<option data-countryCode="FI" value="358">Finland (+358)</option>

<option data-countryCode="FR" value="33">France (+33)</option>

<option data-countryCode="GF" value="594">French Guiana (+594)</option>

<option data-countryCode="PF" value="689">French Polynesia (+689)</option>

<option data-countryCode="GA" value="241">Gabon (+241)</option>

<option data-countryCode="GM" value="220">Gambia (+220)</option>

<option data-countryCode="GE" value="7880">Georgia (+7880)</option>

<option data-countryCode="DE" value="49">Germany (+49)</option>

<option data-countryCode="GH" value="233">Ghana (+233)</option>

<option data-countryCode="GI" value="350">Gibraltar (+350)</option>

<option data-countryCode="GR" value="30">Greece (+30)</option>

<option data-countryCode="GL" value="299">Greenland (+299)</option>

<option data-countryCode="GD" value="1473">Grenada (+1473)</option>

<option data-countryCode="GP" value="590">Guadeloupe (+590)</option>

<option data-countryCode="GU" value="671">Guam (+671)</option>

<option data-countryCode="GT" value="502">Guatemala (+502)</option>

<option data-countryCode="GN" value="224">Guinea (+224)</option>

<option data-countryCode="GW" value="245">Guinea - Bissau (+245)</option>

<option data-countryCode="GY" value="592">Guyana (+592)</option>

<option data-countryCode="HT" value="509">Haiti (+509)</option>

<option data-countryCode="HN" value="504">Honduras (+504)</option>

<option data-countryCode="HK" value="852">Hong Kong (+852)</option>

<option data-countryCode="HU" value="36">Hungary (+36)</option>

<option data-countryCode="IS" value="354">Iceland (+354)</option>

<option data-countryCode="IN" value="91">India (+91)</option>

<option data-countryCode="ID" value="62">Indonesia (+62)</option>

<option data-countryCode="IR" value="98">Iran (+98)</option>

<option data-countryCode="IQ" value="964">Iraq (+964)</option>

<option data-countryCode="IE" value="353">Ireland (+353)</option>

<option data-countryCode="IL" value="972">Israel (+972)</option>

<option data-countryCode="IT" value="39">Italy (+39)</option>

<option data-countryCode="JM" value="1876">Jamaica (+1876)</option>

<option data-countryCode="JP" value="81">Japan (+81)</option>

<option data-countryCode="JO" value="962">Jordan (+962)</option><option data-countryCode="KZ" value="7">Kazakhstan (+7)</option>

<option data-countryCode="KE" value="254">Kenya (+254)</option>

<option data-countryCode="KI" value="686">Kiribati (+686)</option>

<option data-countryCode="KP" value="850">Korea North (+850)</option>

<option data-countryCode="KR" value="82">Korea South (+82)</option>

<option data-countryCode="KW" value="965">Kuwait (+965)</option>

<option data-countryCode="KG" value="996">Kyrgyzstan (+996)</option>

<option data-countryCode="LA" value="856">Laos (+856)</option>

<option data-countryCode="LV" value="371">Latvia (+371)</option>

<option data-countryCode="LB" value="961">Lebanon (+961)</option>

<option data-countryCode="LS" value="266">Lesotho (+266)</option>

<option data-countryCode="LR" value="231">Liberia (+231)</option>

<option data-countryCode="LY" value="218">Libya (+218)</option>

<option data-countryCode="LI" value="417">Liechtenstein (+417)</option>

<option data-countryCode="LT" value="370">Lithuania (+370)</option>

<option data-countryCode="LU" value="352">Luxembourg (+352)</option>

<option data-countryCode="MO" value="853">Macao (+853)</option>

<option data-countryCode="MK" value="389">Macedonia (+389)</option>

<option data-countryCode="MG" value="261">Madagascar (+261)</option>

<option data-countryCode="MW" value="265">Malawi (+265)</option>

<option data-countryCode="MY" value="60">Malaysia (+60)</option>

<option data-countryCode="MV" value="960">Maldives (+960)</option>

<option data-countryCode="ML" value="223">Mali (+223)</option>

<option data-countryCode="MT" value="356">Malta (+356)</option>

<option data-countryCode="MH" value="692">Marshall Islands (+692)</option>

<option data-countryCode="MQ" value="596">Martinique (+596)</option>

<option data-countryCode="MR" value="222">Mauritania (+222)</option>

<option data-countryCode="YT" value="269">Mayotte (+269)</option>

<option data-countryCode="MX" value="52">Mexico (+52)</option>

<option data-countryCode="FM" value="691">Micronesia (+691)</option>

<option data-countryCode="MD" value="373">Moldova (+373)</option>

<option data-countryCode="MC" value="377">Monaco (+377)</option>

<option data-countryCode="MN" value="976">Mongolia (+976)</option>

<option data-countryCode="MS" value="1664">Montserrat (+1664)</option>

<option data-countryCode="MA" value="212">Morocco (+212)</option>

<option data-countryCode="MZ" value="258">Mozambique (+258)</option>

<option data-countryCode="MN" value="95">Myanmar (+95)</option>

<option data-countryCode="NA" value="264">Namibia (+264)</option>

<option data-countryCode="NR" value="674">Nauru (+674)</option>

<option data-countryCode="NP" value="977">Nepal (+977)</option>

<option data-countryCode="NL" value="31">Netherlands (+31)</option>

<option data-countryCode="NC" value="687">New Caledonia (+687)</option>

<option data-countryCode="NZ" value="64">New Zealand (+64)</option>

<option data-countryCode="NI" value="505">Nicaragua (+505)</option>

<option data-countryCode="NE" value="227">Niger (+227)</option>

<option data-countryCode="NG" value="234">Nigeria (+234)</option>

<option data-countryCode="NU" value="683">Niue (+683)</option>

<option data-countryCode="NF" value="672">Norfolk Islands (+672)</option>

<option data-countryCode="NP" value="670">Northern Marianas (+670)</option>

<option data-countryCode="NO" value="47">Norway (+47)</option>

<option data-countryCode="OM" value="968">Oman (+968)</option>

<option data-countryCode="PW" value="680">Palau (+680)</option>

<option data-countryCode="PA" value="507">Panama (+507)</option>

<option data-countryCode="PG" value="675">Papua New Guinea (+675)</option>

<option data-countryCode="PY" value="595">Paraguay (+595)</option>

<option data-countryCode="PE" value="51">Peru (+51)</option>

<option data-countryCode="PH" value="63">Philippines (+63)</option>

<option data-countryCode="PL" value="48">Poland (+48)</option>

<option data-countryCode="PT" value="351">Portugal (+351)</option>

<option data-countryCode="PR" value="1787">Puerto Rico (+1787)</option>

<option data-countryCode="QA" value="974">Qatar (+974)</option>

<option data-countryCode="RE" value="262">Reunion (+262)</option>

<option data-countryCode="RO" value="40">Romania (+40)</option>

<option data-countryCode="RU" value="7">Russia (+7)</option>

<option data-countryCode="RW" value="250">Rwanda (+250)</option>

<option data-countryCode="SM" value="378">San Marino (+378)</option>

<option data-countryCode="ST" value="239">Sao Tome & Principe (+239)</option>

<option data-countryCode="SA" value="966">Saudi Arabia (+966)</option>

<option data-countryCode="SN" value="221">Senegal (+221)</option>

<option data-countryCode="CS" value="381">Serbia (+381)</option>

<option data-countryCode="SC" value="248">Seychelles (+248)</option>

<option data-countryCode="SL" value="232">Sierra Leone (+232)</option>

<option data-countryCode="SG" value="65">Singapore (+65)</option>

<option data-countryCode="SK" value="421">Slovak Republic (+421)</option>

<option data-countryCode="SI" value="386">Slovenia (+386)</option>

<option data-countryCode="SB" value="677">Solomon Islands (+677)</option>

<option data-countryCode="SO" value="252">Somalia (+252)</option>

<option data-countryCode="ZA" value="27">South Africa (+27)</option>

<option data-countryCode="ES" value="34">Spain (+34)</option>

<option data-countryCode="LK" value="94">Sri Lanka (+94)</option>

<option data-countryCode="SH" value="290">St. Helena (+290)</option>

<option data-countryCode="KN" value="1869">St. Kitts (+1869)</option>

<option data-countryCode="SC" value="1758">St. Lucia (+1758)</option>

<option data-countryCode="SD" value="249">Sudan (+249)</option>

<option data-countryCode="SR" value="597">Suriname (+597)</option>

<option data-countryCode="SZ" value="268">Swaziland (+268)</option>

<option data-countryCode="SE" value="46">Sweden (+46)</option>

<option data-countryCode="CH" value="41">Switzerland (+41)</option>

<option data-countryCode="SI" value="963">Syria (+963)</option>

<option data-countryCode="TW" value="886">Taiwan (+886)</option>

<option data-countryCode="TJ" value="7">Tajikstan (+7)</option>

<option data-countryCode="TH" value="66">Thailand (+66)</option>

<option data-countryCode="TG" value="228">Togo (+228)</option>

<option data-countryCode="TO" value="676">Tonga (+676)</option>

<option data-countryCode="TT" value="1868">Trinidad & Tobago (+1868)</option>

<option data-countryCode="TN" value="216">Tunisia (+216)</option>

<option data-countryCode="TR" value="90">Turkey (+90)</option>

<option data-countryCode="TM" value="7">Turkmenistan (+7)</option>

<option data-countryCode="TM" value="993">Turkmenistan (+993)</option>

<option data-countryCode="TC" value="1649">Turks & Caicos Islands (+1649)</option>

<option data-countryCode="TV" value="688">Tuvalu (+688)</option>

<option data-countryCode="UG" value="256">Uganda (+256)</option>

<option data-countryCode="GB" value="44">UK (+44)</option>

<option data-countryCode="UA" value="380">Ukraine (+380)</option>

<option data-countryCode="AE" value="971">United Arab Emirates (+971)</option>

<option data-countryCode="UY" value="598">Uruguay (+598)</option>

<option data-countryCode="US" value="1">USA (+1)</option>

<option data-countryCode="UZ" value="7">Uzbekistan (+7)</option>

<option data-countryCode="VU" value="678">Vanuatu (+678)</option>

<option data-countryCode="VA" value="379">Vatican City (+379)</option>

<option data-countryCode="VE" value="58">Venezuela (+58)</option>

```
        <option data-countryCode="VN" value="84">Vietnam (+84)</option>
        <option data-countryCode="VG" value="84">Virgin Islands - British (+1284)</option>
        <option data-countryCode="VI" value="84">Virgin Islands - US (+1340)</option>
        <option data-countryCode="WF" value="681">Wallis & Futuna (+681)</option>
        <option data-countryCode="YE" value="969">Yemen (North)(+969)</option>
        <option data-countryCode="YE" value="967">Yemen (South)(+967)</option>
        <option data-countryCode="ZM" value="260">Zambia (+260)</option>
        <option data-countryCode="ZW" value="263">Zimbabwe (+263)</option>
    </optgroup>
</select>
                </div>
                <div class="col-md-4 regr5col2">
                        <label>Phone No <a id="requi">*</a></label><br>
                        <input type="number" name="phone" placeholder="Your 10 digit mobile number"><Br>
                </div>
                </div><br>
</div>




<div id="educationdet">
<div class="heading">
    <div class="verbor" id="verbor"></div>
    <h4>Educational Info</h4><br>
</div>


<div class="row educationalinfo">
    <div class="col-md-6 regr6col1">
        <h5>10th std/ Equivalent</h5><br><br>
        <label>Institution name <a id="requi">*</a></label><br>
        <input type="text" name="schlname10" placeholder="School name you studied 10th"><br><br>
        <label>Maximum Marks <a id="requi">*</a></label><br>
        <input type="number" name="maxmark10" placeholder="Total Maximum marks"><br><br>
```

```
        <label>Actual Marks <a id="requi">*</a></label><br>
        <input type="number" name="actmark10" placeholder="Total Actual marks you scored"><br><br>
    </div>

    <div class="col-md-6 regr6col1">
        <h5>12th std/ Equivalent</h5><br><br>
        <label>Institution name <a id="requi">*</a></label><br>
        <input type="text" name="schlname212" placeholder="School name you studied 12th"><br><br>
        <label>Maximum Marks <a id="requi">*</a></label><br>
        <input type="number" name="maxmark212" placeholder="Total Maximum marks"><br><br>
        <label>Actual Marks <a id="requi">*</a></label><br>
        <input type="number" name="actmark212" placeholder="Total Actual marks you scored"><br><br>
    </div>
</div><br><br><hr><br><br>

<div class ="row graduation">
    <div class="col-md-6 gradetcol1">
        <h5>Graduation / Equivalent</h5><br>
        <label>Institution name <a id="requi">*</a></label><br>
        <input type="text" name="clgname" placeholder="School name you studied 10th"><br><br>
        <label>Maximum Marks/ CGPA/ GRADE <a id="requi">*</a></label><br>
        <input type="number" name="clgmaxmark" placeholder="Total Maximum marks"><br><br>
        <label>Actual Marks/ CGPA/ GRADE <a id="requi">*</a></label><br>
        <input type="number" name="clgactmark" placeholder="Total Actual marks you scored"><br><br>
    </div>

    <div class="col-md-6 gradetcol2">
        <label>Stream <a id="requi">*</a></label><br>
        <select name="stream" type="text">
            <option selected >Choose the Stream</option>
            <option value="medical">Medical</option>
            <option value="engineering">Engineering/Tecnonolgy</option>
            <option value="arts">Arts</option>
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            <option value="agri">Agriculture</option>
        </select><br>

        <label>Your Graduation <a id="requi">*</a></label><br>
        <input type="text" name="graduation" id="maxmark" placeholder="Eg: M.sc or B.E/B.Tech"><br><br>

        <label>Graduation Year <a id="requi">*</a></label>
        <input type="number" name="grayear" id="grayear" placeholder="Eg: 2023"><br><br>

        <label>Branch <a id="requi">*</a></label><br>
        <input type="text" name="branch" placeholder="Eg: CSE or chemistry"><br><br>
    </div>



</div>
</div>



<div id=skills>
<div class="row">
<div class="col-md-4">
    <div class="heading">
    <div class="verbor" id="verbor"></div>
    <h4>Skills</h4><br>
    </div>
</div>
<div class="col-md-6">
     <div class="heading">
    <div class="verbor" id="verbor"></div>
    <h4>Achievements</h4><br>
</div>
</div>
```

```
</div>




<div class="row skillsinfo">
   <div class="col-md-4 regr6col1">
                  <label>Skills <a id="requi">*</a></label><br>
                    <div id="forms1" class="form-inline">
                       <input type="text" class="form-control1" placeholder="Enter some text" name="form[]"><br>
                    </div>
                        <br />
                    <button type="button" class="btn btn-primary" onclick="addField();">Add Skills</button>


   </div>
<div class="col-md-6 regr6col1">


    <div class="regr1col1">
      <h6>Do you have participated in any Presentation or Conferences? <a id="requi">*</a></h6>
      <input type="radio" name="Q1" value="Yes" />Yes
      <input type="radio" name="Q1" value="No"/>No<br><br>
      <h6>Do you have participated in any Hackathon? <a id="requi">*</a></h6>
      <input type="radio" name="Q2" value="Yes" />Yes
      <input type="radio" name="Q2" value="No" />No<br><br>
      <h6>Do you have participated in Coding Challenge? <a id="requi">*</a></h6>
      <input type="radio" name="Q3" value="Yes" />Yes
      <input type="radio" name="Q3" value="No" />No<br><br>
      <h6>Do you have won any Contest? <a id="requi">*</a></h6>
      <input type="radio" name="Q4" value="Yes" />Yes
      <input type="radio" name="Q4" value="No" />No<br><br>
      <h6>How many prize you won from your college days? <a id="requi">*</a></h6>
      <input type="number" name="Q5" id="Q5" />
   </div>
</div>
```

```
</div><br><br><Br>




<div class="heading">
    <div class="verbor" id="verbor"></div>
    <h4>Experience</h4><br>
</div>


<div class="row experience">
    <div class="col-md-6">
        <label>Position <a id="requi">*</a></label><br>
        <input type="text" name="position" id="fresher"/>Fresher
        <br>
        <div id="experiencedet">
    <label>Experience years <a id="requi">*</a> </label><br>
    <input type="number" name="expyears" id="expyears" placeholder="Eg: 5" /><br><br>


    <label>Highest Designation you hold <a id="requi">*</a> </label><br>
    <select name="designation" type="text">
        <option value="seni">Senior Manager</option>
        <option value="manager">Manager</option>
        <option value="analyst">Analyst</option>
        <option value="trainee">Trainee</option>
        <option value="programmer">Programmer</option>
        <option value="lead">Team Lead</option>
    </select>
</div>
    </div>
</div>
```

```
</div>




<div id="declaration">

<div>

    <label>Upload Your Resume <a id="requi">*</a></label><br>

    <input type="file" name="resume" style="border-bottom-style: none;" /><br><br><br>

    <center><h3><strong>Declaration</strong></h3></center><br>

    <h6><input type="checkbox" name="declare" id="declare" /> I hereby declare that all the information filled by me and honestly true, and I allow the jobby to share my details with all recuirters.</h6><br>

</div>

<center>

<button value="button" type="submit" name="submit" id="submit" class="fnlbtn"> Submit</button><br><br>

</center>

</form>



<footer style="margin-top: 100px;">



</footer>

<script src="{{url_for('static',filename = 'js/hiding.js')}}"></script>

<script src="{{url_for('static',filename = 'js/country.js')}}"></script>

<script src="{{url_for('static',filename = 'js/dyinput.js')}}"></script>

</body>

</html>









<!----------

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

```
password = request.form['password']
conpassword=request.form['conpassword']
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']
actmark=request.form['actmark']
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']-->

## jobpost.html

```
{% extends "template.html" %} {% block body %}

<head>

        <meta charset="utf-8">

    <link rel="stylesheet" type="text/css" href="https://fonts.googleapis.com/css?family=Rancho&effect=shadow-multiple">

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css" integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk" crossorigin="anonymous">

    <link rel="stylesheet" type="text/css" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">

    <link rel="shortcut icon" href="../static/images/j.png" type="image/x-icon">



    <link href="https://cdn.jsdelivr.net/npm/select2@4.1.0-rc.0/dist/css/select2.min.css" rel="stylesheet" />




        <title></title>

</head>

<br><br><br><br><br><br><br><br><br>

<h4>Post Job</h4>

        <br><br><bR><br>

            <div id="jobpost">

                <center>

                <form method="POST" onsubmit="required()" name="form">

                    <div class="row">

                        <div class="col-md-4">

                            <label>Recruiter ID</label><br>

                            <input type="text" name="recruiter_id" value="{{session['id']}}" readonly><br>

                        </div>

                        <div class="col-md-4">

                            <label>Job Title</label><br>

                            <input type="text" name="jobtitle"><br>
```

```
                </div>
                <div class="col-md-4">
                        <label>Job Type</label><br>
                        <input type="text" name="jobtype"><br>
                </div>
        </div><br><br>
        <div class="row">
                <div class="col-md-4">
                        <label>Experience</label><br>
                        <input type="text" name="jobexperience"><br>
                </div>
                <div class="col-md-4">
                        <label>Key Skills</label><br>
                        <input type="text" name="keyskills"><br>
                </div>
                <div class="col-md-4">
                        <label>Location</label><br>
                        <input type="text" name="location"><br>
                </div>
        </div><br><br>
        <div class="row" style="margin-left: -0px;">
                <div class="col-md-8">
                                <label>Discription</label><br>
                                <textarea type="text" name="discription"></textarea></td>
                </div>
                <div class="col-md-4">
                        <label>Salary</label><br>
                        <input type="text" name="salary"><br>
                </div>
        </div><br><br>
<!--    <table>
                <tr>
                        <td>
                        <label>Recruiter ID</label>
```

```
                    <input type="text" name="recruiter_id" value="{{session['id']}}" readonly>
                </td>
                    <td>
                        <label>Job Title</label>
                        <input type="text" name="jobtitle">
                    </td>
                    <td>
                        <label>Job Type</label>
                        <input type="text" name="jobtype">
                    </td>
                    <td>
                        <label>Experience</label>
                        <input type="text" name="jobexperience">
                    </td>
            </tr>
                    <tr>
                        <td>
                        <label>Key Skills</label>
                        <input type="text" name="keyskills">
                    </td>
                    <td>
                        <label>Location</label>
                        <input type="text" name="location">
                    </td>
                    <td>
                        <label>Salary</label>
                        <input type="text" name="salary">
                    </td>
                    </tr>
                    <tr>
                        <td><label>Discription</label><br>
                        <textarea type="text" name="discription"></textarea></td>
                    </tr>
        </table> -->
```

```
                                <button type="submit" value="submit" id="button" style="margin-left:100px; margin-bottom: 100px;">Post Job</button>
                        </form>
                        </center>
                </div>



<style type="text/css">
        h4{
                margin-top: -100px;
                padding: 10px;
                color:white;
                text-align: center;
                background-color: #04aec4;
        }
        textarea{
                height: 190px;
                width: 800px;
        }
        input{
                padding-top: 10px;
                border: none;
                outline: none;
                color: black;
                width: 300px;
                box-shadow: 1px 0px 4px rgb(99, 99, 99);
    border-radius: 6px 6px 0 0;
    background-color:white;
                border-bottom-style: solid;
                border-width: 1px;
        }
  form{
                margin-top: -100px;
                background-color: whitesmoke;
```

```
  }
  #button{
      border: none;
      color: white;
      padding: 7px 20px;
      border-radius: 13.5px;
      text-align: center;
      text-decoration: none;
      display: inline-block;
      font-size: 18px;
      background-color:#04aec2;
      cursor: pointer;

  }
  #button:hover,#explore:hover{
      opacity: 0.5;
  }
</style>



<script type="text/javascript">
var orgdet = document.getElementById("orgdet");
var extra = document.getElementById("extra");
var jobpost=document.getElementById("jobpost");

orgdet.style.display = "";
extra.style.display="none";
jobpost.style.display="none";

function orgdetFun(){
orgdet.style.display = "";
extra.style.display="none";
jobpost.style.display="none";
```

```
}
function extraDetFun2(){
        orgdet.style.display = "none";
        extra.style.display="";
jobpost.style.display="none";

}
function postFun(){
        orgdet.style.display = "none";
extra.style.display="none";
jobpost.style.display="";

}

</script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.0/jquery.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/select2@4.1.0-rc.0/dist/js/select2.min.js"></script>
{% endblock %}
```

## 13.2. GIT HUB REPOSITORY LINK:

## https://github.com/IBM-EPBL/IBM-Project-21293-1659776823

### 13.3 DEMO VIDEO LINK:

https://drive.google.com/file/d/19sfmM1YuIlY3M12jMquFU6alvwaYwz-r/view?usp=share_link