

**SKILL AND JOB RECOMMENDER APPLICATION  
A PROJECT REPORT**

*Submitted by*

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**BONAFIDE CERTIFICATE**

Certified that this project report “**Skill and Job Recommender Application**” is the bonafide work of “**MATHESH A, ANNAMALAI M, BRUNDHA V, SNEHA R**” who carried out the project work under my Mentor.

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# **1. INTRODUCTION**

## **1.1 PROJECT OVERVIEW**

A system should be developed for the people who are in search of jobs with esteemed talent who might get undesirable jobs and in need of bigger opportunities. Moreover, searching jobs in outer areas gives complications which leads to time consuming and health issues. Hence users are in need of quicker good jobs. Meanwhile, people might get jobs which are not related to their search which leads to time wastage. Aim is to come up with a web application through which any 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 remotely. Taking the skills from LinkedIn and throwing the best jobs according to your skillset will ease the work of candidates to get their desired jobs

## **1.2 PURPOSE**

- Cost not needed for using the app
- Finding Jobs based on available domains
- Filtering Option to ease the search
- Personalized Jobs
- Alert will be sent through mail.
- Easy Interaction through chatbot.

## 2. LITERATURE SURVEY

SL.NO	Journal Paper Title	Author's Name, Year & Source	Findings
1.	Help Me Find a Job: A Graph-based Approach for Job-Recommendation at Scale	Walid Shalaby, BahaaEddin AlAila, Mohammed Korayem, Layla Pournajaf, Khalifeh AlJadda, Shannon Quinn, and Wlodek Zadrozny.  [2017]  IEEE	The recommendations system is successfully advancing in a variety of online domains by creating social and commercial value, also this overcomes the major challenges of scalability and sparsity by leveraging a directed graph of jobs connected by multi-edges representing various similarity signals.
2.	A Mobile Proximity Job Employment Recommender System	Motebang Daniel Mpela and Tranos Zuva.  [2020]  IEEE	Mobile recommending app,with the rapid growth of internet tech many IT companies changed to r-recruiting. This is based on a filtering algorithm to enable the initial selection of suitable jobs for candidates at a specified area.
3.	A recommender system for job seekers to show up companies based on their psychometric preferences and Company sentiment scores	Amanulla Ashraff, Fathima Farhath  [2020]  5	Hybrid recommender system, Gather information on job seekers which includes their psychometric evaluations then compares rather outputs on which company is most suitable for a seeker.Information related to the scores of their

		IEEE	reviews based on user review sentiments.
4.	Adaptive Methods for Job Recommendation Based on User Clustering	Quoc-Dung Nguyen, Tin Huynh, Tu-Anh Nguyen-Hoang.  [2016]  IEEE	Designed to suggest a ranked list of jobs, this is based on clustering- Employee clustering by grouping into Different clusters including CB-Plus, CF-Filter ,HyR-Filter have applied for different three clusters.
5.	Design of information system architecture for the recommendation of tourist sites in the city of Manta, Ecuador through a Chatbot	David Arteaga, Juan Arenas, Freddy Paz, Manuel, Mariuxi Bruzza  [2019]  IEEE	Chabot-the virtual assistants that interact with people through chat bot .Integration of web services ,such as IBM Watson Assistant and Google dialog flow will be presented.
6.	Job Recommender Systems: A Survey	Juhi Dhameliya, Nikita Desai.  [2019]  IEEE	This has been used for building the personalized recommendation system for job seekers as well as recruiters.

7.	SMART COLLEGE CHATBOT USING ML AND PYTHON	Hrushikesh Koundinya K, Ajay Krishna Palakurthi, Vaishnavi Putnala, Dr. Ashok Kumar K  [2021]  IEEE	This project aimed to implement an online Chabot system to assist users who access college website, using tools that expose Artificial Intelligence methods such as Natural Language Processing allowing users to communicate with college Chabot using natural language input and to train Chabot using appropriate Machine Learning methods so it will be able to generate a response.
8.	Job Recommendation System based on Machine Learning and Data Mining Techniques using RESTful API and Android IDE	Harsh Jain, Misha Kakkar  [2019]  IEEE	The data communicated through APIs is fed into the database and the Recommendation System uses that data to synthesize the results. To make the existing systems even more reliable, efforts have been made to come up with the idea of a system that uses a wide variety of factors and is not only a one-way recommendation system.
9.	Collaborative Job Prediction based on NaIve Bayes Classifier using Python Platform	Dr. Savita Choudhary, Siddanth Koul, Shridhar Mishra, Anunay Thakur, Rishabh Jain.  [2016]  IEEE	The service-oriented architecture implements a push-pull mechanism and an underlying algorithm based on collaborative filtering techniques. Preliminary studies show that the infrastructure can effectively infer the levels of expertise of potential crowd workers based on their profile and past performance history.

10.	Using Collaborative Filtering to Automate Worker-Job Recommendations for Crowdsourcing Services	Julian Jarrett, M. Brian Blake.  [2016]  IEEE	The service-oriented architecture implements a push-pull mechanism and an underlying algorithm based on collaborative filtering techniques. Preliminary studies show that the infrastructure can effectively infer the levels of expertise of potential crowd workers based on their profile and past performance history.
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## 2.1 Existing problem

This system is used when the application is created in order to achieve personal satisfaction. Its purpose is to satisfy the user, rather than making a profit from it. Making an application for profit or adding advertisements make the user feel uncomfortable in using the application. Showing undesired jobs or not required jobs in the other application is one of the existing problems. An app should be an app through which any person can log in and find their personalized jobs directly will decrease the time consumption.

## 2.2 References

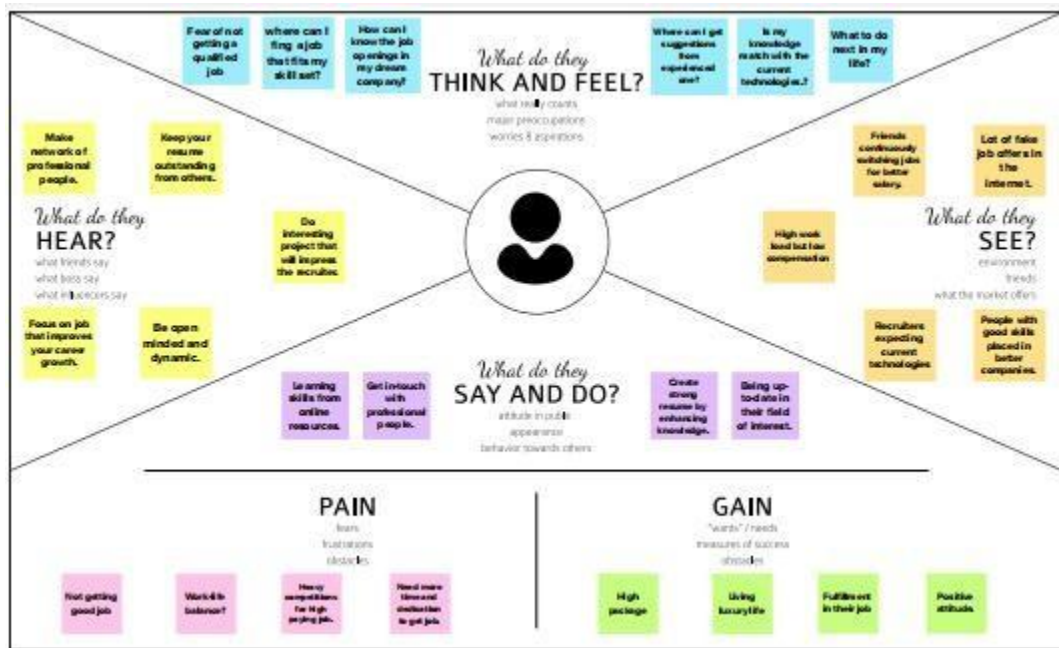
References got through many journal papers from IEEE standard resources. Listing the paper information through which we got our idea. Help Me Find a Job: A Graph-based Approach for Job-Recommendation at Scale, Using Collaborative Filtering to Automate Worker-Job Recommendations for Crowdsourcing Services, SMART COLLEGE CHATBOT USING ML AND PYTHON, A recommender system for job seekers to show up companies based on their psychometric preferences and Company sentiment scores.

## 2.3 Problem Statement Definition

People who are in search of jobs with esteemed talent might get undesirable jobs in need of bigger opportunities. An app through which any 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 in a remote mode. Aim is to come up with a web application through which any 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 remotely. Taking the skills from LinkedIn and throwing the best jobs according to your skillset will ease the work of candidates to get their desired jobs

### 3. IDEATION & PROPOSED SOLUTION

#### 3.1 Empathy Map Canvas



#### 3.2 Ideation & Brainstorming





## Proposed Solution

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	A system should be developed for the people who are in search of jobs with esteemed talent might get undesirable jobs and in need of bigger opportunities. Moreover, searching jobs in outer areas give complications which leads to time consuming and health issues. Hence users are in need of quicker good jobs .Meanwhile person might get jobs which are not related to their search leads to time wastage.
2.	Idea / Solution description	Aim is to come up with a web application through which any 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 remotely. Taking the skills from LinkedIn and throwing the best jobs according to your skillset will ease the work of candidates to get their desired jobs.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>• Cost not needed for using the app</li> <li>• Finding Jobs based on available domains</li> <li>• Filtering Option to ease the search</li> <li>• Giving user guide for the users</li> <li>• Easy Interaction through chatbot.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>• Customers/Users are able to find their required jobs remotely and desirable jobs in a quick way without any distraction.</li> </ul>

5.	Business Model (Revenue Model)	This system is used when the application is created in order to achieve personal satisfaction. Its purpose is to satisfy the user, rather than making a profit from it. Many of these mobile applications can be found in the android market, since it is the most used operating system for beginners in the programming world.
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6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>• User can search by ratings based on the job's environment and growth in career</li> <li>• Provide Reliable jobs</li> <li>• Showing Factual description about the company.</li> <li>• Review about the job place, CTC, growth, and career development.</li> </ul>
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### 3.3 Problem Solution Fit

Project Title: Skill/job recommender

Project Design Phase-I - Solution Fit Template

Team ID: PNT2022IMID44810

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> <ul style="list-style-type: none"> <li>Person requires job</li> <li>Person recruits job candidates.</li> </ul>	<b>6. CUSTOMER CONSTRAINTS</b> <span>CC</span> <ul style="list-style-type: none"> <li>Personal information maybe misused</li> <li>Scam about fake jobs</li> <li>Time consuming</li> </ul>	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> <p>Pros:</p> <ul style="list-style-type: none"> <li>Marketing of company's infrastructure</li> <li>Promotion of people's skill</li> </ul> <p>Cons:</p> <ul style="list-style-type: none"> <li>Occurance of fraud activities</li> <li>More competiton occurs</li> </ul>	Explore AS, differentiate
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span> <ul style="list-style-type: none"> <li>Create a platform form job searching</li> <li>To filter the jobs based on the skill required or available</li> <li>Safe to provide the details</li> </ul>	<b>9. PROBLEM ROOT CAUSE</b> <span>RC</span> <ul style="list-style-type: none"> <li>Candidates post false or invalid details</li> <li>Company failed to provide true infrastructure</li> <li>Unreliable jobs are posted</li> <li>Some asks prior payment for application</li> </ul>	<b>7. BEHAVIOUR</b> <span>BE</span> <ul style="list-style-type: none"> <li>Candidates apply for job eventhough their skill is not upto level</li> <li>After getting recruited the company known to be fake</li> <li>Some fake job are really waste of candidates time.</li> </ul>	
Identify strong TR & EM	<b>3. TRIGGERS</b> <span>TR</span> <ul style="list-style-type: none"> <li>Get new job alerts</li> <li>Branding the company</li> <li>Available job oppurtunities with good salary.</li> </ul>	<b>10. YOUR SOLUTION</b> <span>SL</span> <p>The end-to-end application provides</p> <p>The candidate to know about the job required and able to offer to apply for the job.</p> <p>It provides the job recommendation based on the user skill.</p> <p>The smart chatbot can help the students or candidates 24*7 with job or roles offered</p>	<b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span> <p>ONLINE:</p> <ul style="list-style-type: none"> <li>Apply for jobs</li> <li>Early assessment takes place</li> <li>Review job applications and results</li> </ul> <p>OFFLINE:</p> <ul style="list-style-type: none"> <li>Final levels of interview</li> <li>Company infrastructure</li> <li>Paperwork of recruitment</li> </ul>	Identify strong TR & EM
	<b>4. EMOTIONS: BEFORE/AFTER</b> <span>EM</span> <p>BEFORE:</p> <ul style="list-style-type: none"> <li>No proper knowledge about jobs offered</li> <li>No platforms to showcase my skills</li> </ul> <p>AFTER:</p> <ul style="list-style-type: none"> <li>Easy recruitment process takes place</li> <li>More details about job vacancies</li> </ul>			

## 4. REQUIREMENT ANALYSIS

### 4.1 Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	1. Registration through Form 2. Registration through Gmail 3. Registration through LinkedIn
FR-2	User Confirmation	1. Confirmation via Email 2. Confirmation via OTP
FR-3	Job Vacancies	Display job profiles based on their mentioned skills in linkedin.
FR-4	Chatbot Interaction	User can solve their issues, queries and recommend for user guides.
FR-5	Improve User Profiles	User can take their interested domains test and improve their profile strength which adds advantage for hiring.
FR-6	Job application and recommendations	User can apply their required jobs from their personalized jobs list and also they can get information about their recommended jobs through mail.

### 4.2 Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	1. User can directly interact through chat bot to solve their queries. 2. User can apply jobs from their personalized jobs list in the web page.

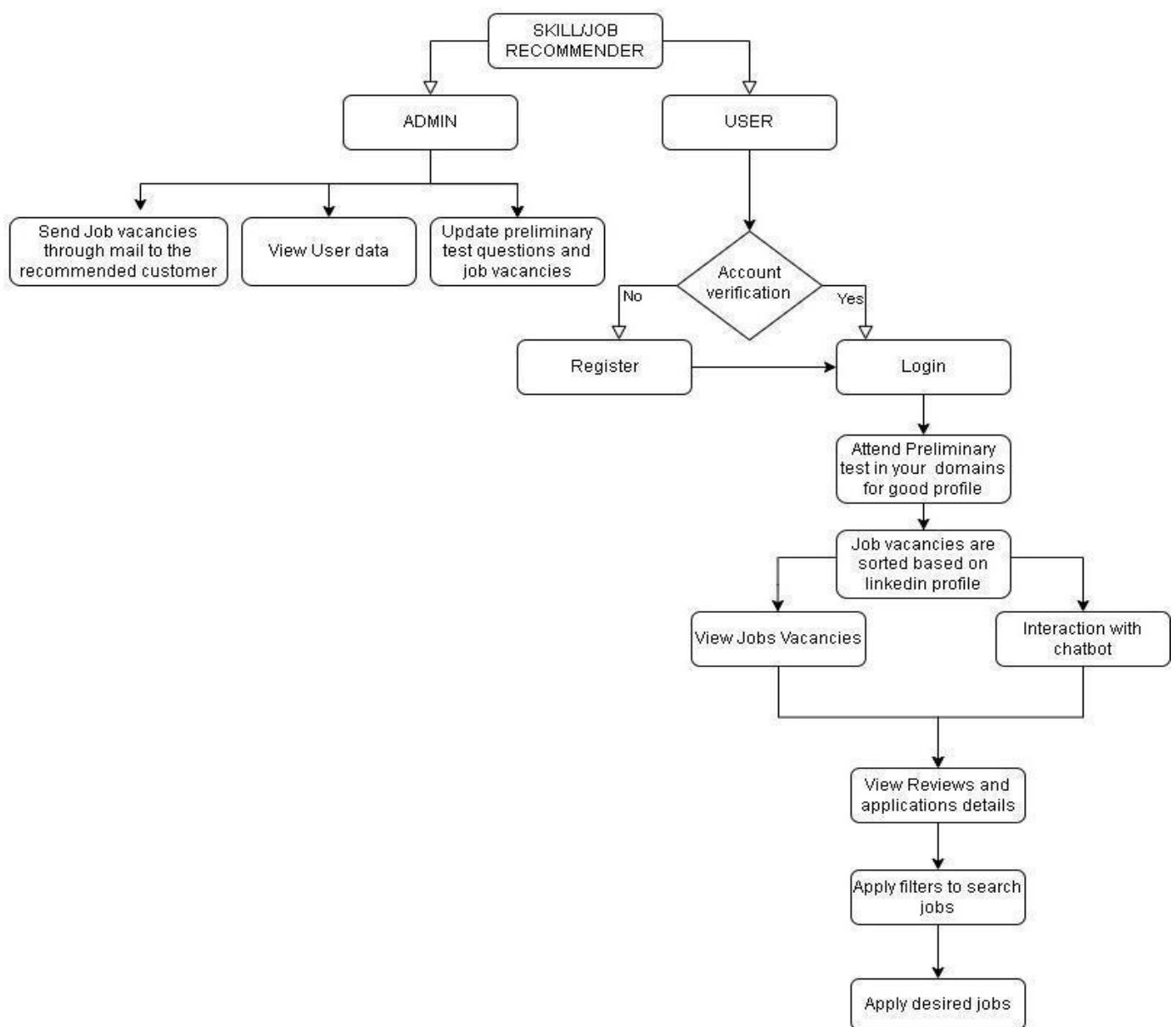
NFR-2	<b>Security</b>	<ol style="list-style-type: none"> <li>1. User data would be safely stored in IBM db2.</li> <li>2. Using of SSL certificate (Python Flask to Cloud connect) will provide security to the project.</li> </ol>
NFR-3	<b>Reliability</b>	<ol style="list-style-type: none"> <li>1. Personalized job vacancies listed in the web page will be always reliable when the person logged in.</li> <li>2. The status of the web page will be always reliable. There won't be server error .</li> </ol>
NFR-4	<b>Performance</b>	<ol style="list-style-type: none"> <li>1. Focus on loading the webpage as quickly as possible irrespective of the number of user/integrator traffic.</li> <li>2. Carry out an evaluation to quantify empirically the recommendation abilities of two state-of-the-art methods, considering different configurations, within the proposed framework</li> </ol>
NFR-5	<b>Availability</b>	<ol style="list-style-type: none"> <li>1. The scraper is set up to avoid duplicate job offers, thus all the job offers are unique.</li> <li>2. To making the user reliable. This webpage will be available to all users (network connectivity is necessary) at any given point of time.</li> <li>3. Made publicly available a new dataset formed by a set of job seekers profiles and a set of job vacancies collected from different job search engine sites.</li> </ol>

NFR-6	<p style="text-align: center;"><b>Scalability</b></p>	<ol style="list-style-type: none"> <li>1. Hiring people can take their candidates unlimitedly.</li> <li>2. Unlimited personalized jobs will be listed on the web page based on their skill.</li> </ol>
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## 5. PROJECT DESIGN

### 5.1 Data Flow Diagrams

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

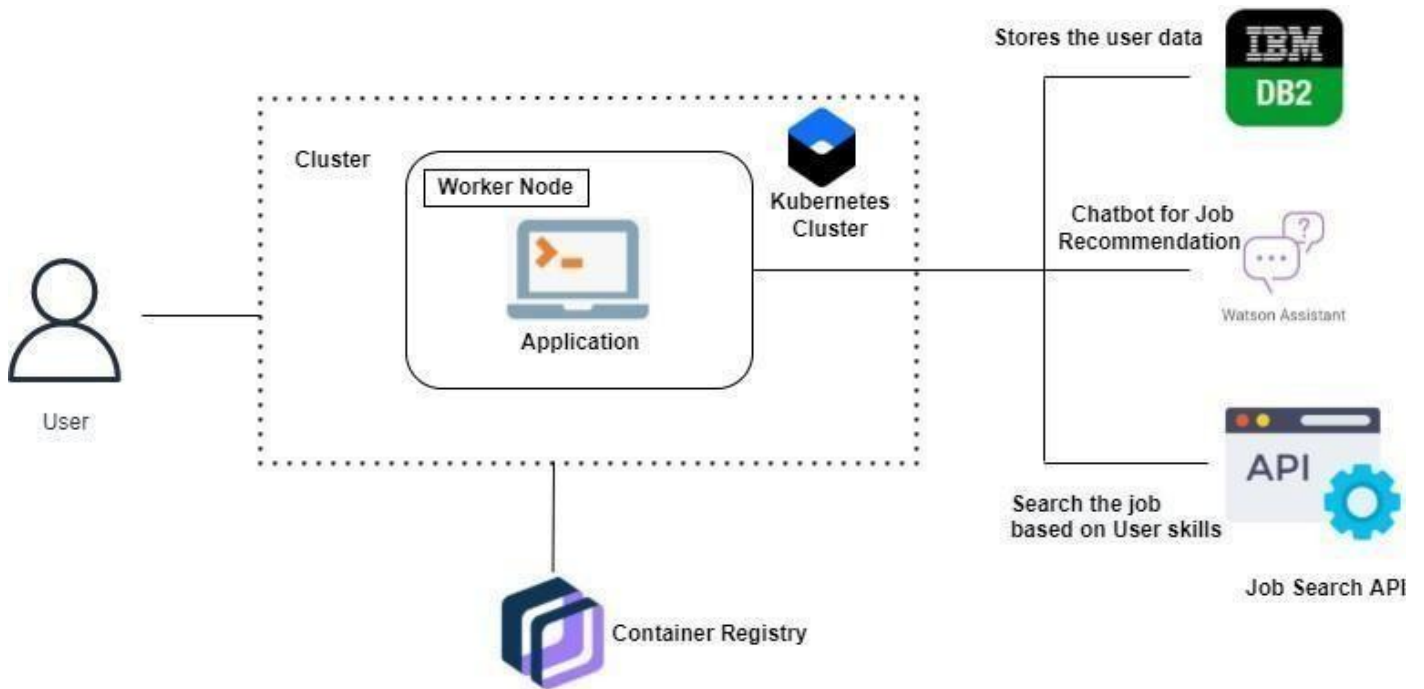


**FLOW:**

1. User starts the app by finishing the login credentials.
2. Based on the skill mentioned in the LinkedIn the personalized jobs will be viewed by the user.
3. Users who are hiring the candidates will also be able to view the candidate profile.
4. Interact with chatbot used for clearing the queries.
5. User can apply for the jobs and attend the domain-based test to improve their profile strength
6. Can get job recommendations through mail.



## 5.2 SOLUTION & TECHNICAL ARCHITECTURE



**Table-1 : Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	The user can interacts with our application with the help of chatbot, etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	The User can login/Register with application	Javascript
3.	Application Logic-2	They can also register through Email,linkedin.	Javascript
4.	Cloud Database	The user data will be stored and retrieved with the help of this database.	IBM DB2, IBM Cloudant etc.
5.	File Storage	The user documents like photos, resumes and much more will be stored in cloud bucket, etc.,	IBM Block Storage or Other Storage Service or Local Filesystem
6.	External API	With the help of API, the user can search the job based on their Skillset.	Job search api etc.
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	Local, Cloud Foundry, Kubernetes, etc.

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Job search api is used to fetch the jobs and display to the user and Watson assistant is used for chat bot interaction.	Job search api, Watson assistant
2.	Security Implementations	Data information about the user will be saved in ibm database safely.	Ibm db2
3.	Scalable Architecture	3-tier arch will be used .	React Js
4.	Performance	It does not disturb the performance of the computer by not affecting the operating system. It works in minimal hardware systems.	Not used huge memory consumption tech.

### 5.3 USER STORIES

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through LinkedIn	I can register & access the dashboard with LinkedIn Login	Low	Sprint-2
	Login	USN-4	As a user, I can log into the application by entering email & password	I can log on to the application through email id and password	High	Sprint-1
	Dashboard	USN-5	As a user, I can view the personalized jobs and finalized the issue or queries using chatbot interaction.	I can view the jobs and Solve the queries using chat bot.	High	Sprint-3

		USN-6	Apply for jobs.	Can view and apply	High	Sprint-3
Customer (Web user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through LinkedIn	I can register & access the dashboard with LinkedInLogin	Low	Sprint-2
	Login	USN-4	As a user, I can log into the application by entering email & password	I can log on to the application through email id and password	High	Sprint-1
	Dashboard	USN-5	As a user, I can view the personalized jobs and finalized the issue or queries using chatbot interaction.	I can view the jobs and Solve the queries using chat bot.	High	Sprint-3
		USN-6	Apply for jobs.	Can view and apply	High	Sprint-3
Customer care executive	Sending mail notification to the user who are recommended the jobs vacancy information.	USN-1	Make sure that service provided are properly send and received by the user.	Provide quality Mail service	High	Sprint-2
	Chat bot interaction	USN-2	A quality based service chatbot is needed for any user to solve their queries	Provide quality chatbot service	High	Sprint-2
	Update preliminary test levels	USN-3	Makes user to attend and adds the advantage to the customers profile.	Safe profile maintaining	High	Sprint-3

## 6. PROJECT PLANNING & SCHEDULING

### 6.1 SPRINT PLANNING & ESTIMATION

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Acceptance criteria	Team Members
Sprint-1	Registration	USN-2	As a user, I can register for the application by entering my email, password	High	I can access my account / dashboard	Mathesh ,Annamalai
Sprint-1		USN-3	As a user, I will receive confirmation email once I have registered for the application	Low	I can receive confirmation email & click confirm	Brundha , Sneha
Sprint-2		USN-5	As a user, I can register for the application through LinkedIn	High	I can receive confirmation email & click confirm	Mathesh ,Annamalai
Sprint-1	Login	USN-6	As a user, I can log into the application by entering email & password	High	I can access my account / dashboard	Brundha, Annamalai
Sprint-1	Flask	USN-7	As a user, I can access the website in a second	High	I can access my account / dashboard	Mathesh, Sneha
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Priority	Acceptance criteria	Team Members
Sprint-1	Dashboard	USN-8	As a user can view the personalized jobs based on their linkedin profile and recruiter can view the candidate profile.	High	I can access all the pages/ dashboard	Mathesh ,Annamalai
Sprint-1		USN-9	Apply For Jobs	Medium	Apply the desired jobs	Brundha
			Submission Of Sprint-1			
Sprint-2	User Profile	USN-9	As a user, I can view and update my details	Medium	I can modify my details/data	Mathesh
Sprint-2	Database	USN-10	As a user, I can store my details and data in the website	Medium	I can store my data	Annamalai
Sprint-2	Cloud Storage	USN-11	Update and post resume in database.	Medium	I can Upload my documents and details	Brundha , Sneha
Sprint-2	Chatbot	USN-12	As a user, I can ask the Chatbot about latest job openings, which will help me and show the recent job openings based on my profile	High	I can know the recent job openings, and Finalize the queries.	Brundha, Annamalai
Sprint-2	Identity-Aware	USN-13	As a User, I can access my account by entering by correct login credentials. My user credentials is only displayed to me.	High	I can have my account safely	Mathesh, Sneha
			Submission of Sprint-2			

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Priority</b>	<b>Acceptance criteria</b>	<b>Team members</b>
Sprint-3	Sendgrid service	USN-14	As a user, I can get a notification or mail about a job opening with the help of sendgrid service.	Medium	I can get a notification in a second.	Brundha, Annamalai
Sprint-3	Learning Resource	USN-15	As a user, I can learn the course and I will attain the skills which will be useful for developing my technical skills.	High	I can gain the knowledge and skills	Mathesh
Sprint-3	Docker	USN-16	As a user, I can access the website in any device	High	I can access my account in any device	Sneha
Sprint-3	Kubermates	USN-17	As a user, I can access the website in any device	High	I can access my account in any device	Mathesh
Sprint-3	Deployment in cloud	USN-18	As a user, I can access the website in any device	High	I can access my account in any device	Brundha
Sprint-3	Technical support	USN-19	As a user, I can get a customer care support from the website which will solve my queries.	Medium	I can tackle my problem & queries.	Annamalai
			Submission of Sprint-3			
Sprint-4	Unit Testing	USN-15	As a user, I can access the website without any interruption	High	I can access the website without any interruption	Mathesh
Sprint-4	Integration testing	USN-16	As a user, I can access the website without any interruption	High	I can access the website without any interruption	Brundha , Sneha
<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Priority</b>	<b>Acceptance criteria</b>	<b>Team Members</b>
Sprint-4	System testing	USN-17	As a user, I can access the website without any interruption	High	I can access the website without any interruption	Mathesh, Brundha
Sprint-4	Correction	USN-18	As a user, I can access the website without any interruption	High	I can access the website without any interruption	Annamalai, Sneha
Sprint-4	Acceptance testing	USN-19	As a user, I can access the website without any interruption	High	I can access the website without any interruption	Mathesh
			Submission of Sprint-4			

## 6.2 SPRINT DELIVERY SCHEDULE

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	18 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	18 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	18 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	18 Nov 2022

## Velocity:

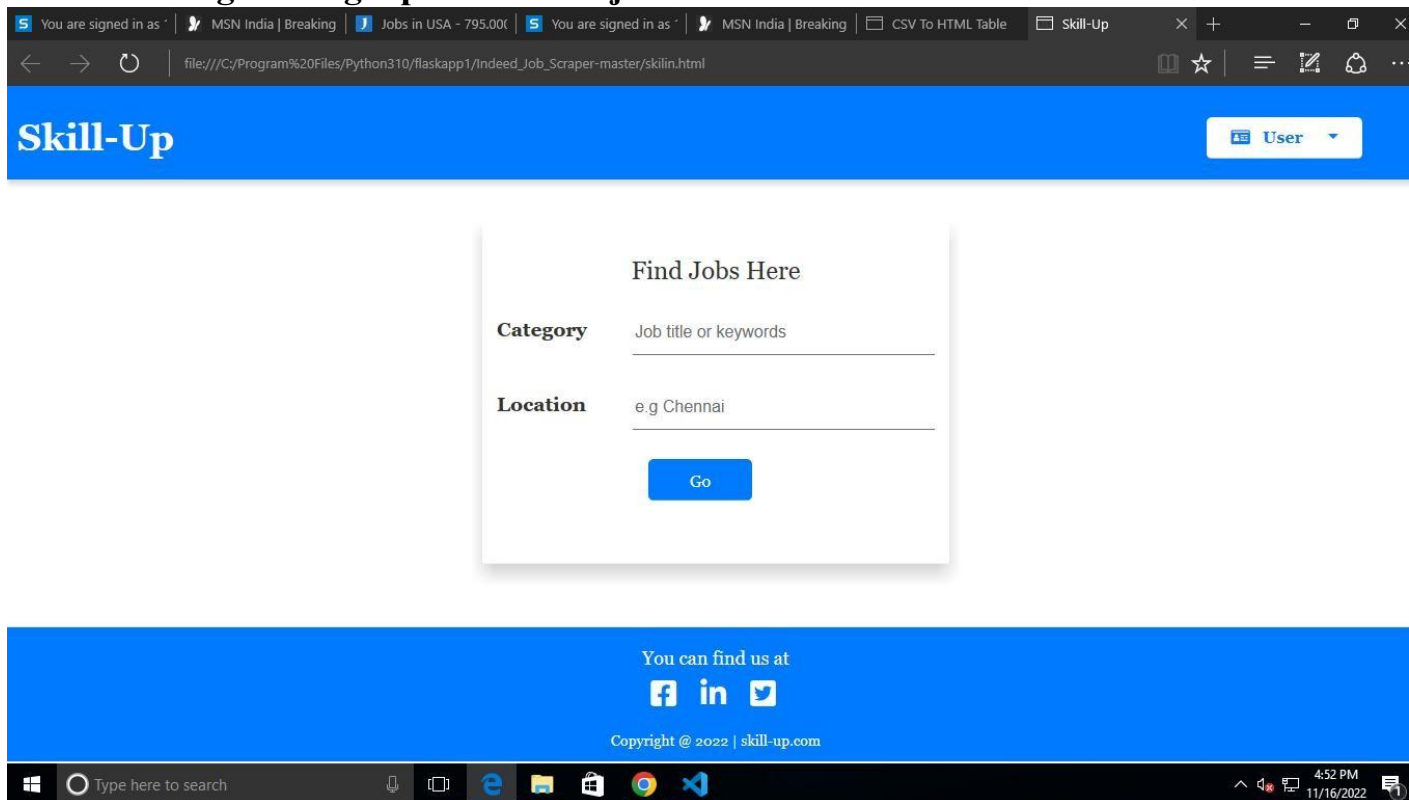
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day).

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$



## 7. CODING & SOLUTIONING

### 1.1 Feature 1: Login and get personalized jobs view in dashboard



### 1.2 Feature 2: Required Jobs

**Skill-Up**

DATE	JOB TITLE	COMPANY NAME	SALARY	APPLY
Just posted	General Manager	Raising Cane's	From \$70,000 a year	<a href="https://www.indeed.com/pagead/clk?mo=r&amp;ad=-6NYIbfrkNoC2eju6G5bIUx-BOZaQK7Zxr5lWfybetgflNyl6sYer8QYiUsDRGdVXYMgvQjLawfcAaogut-SpGzCRf...">https://www.indeed.com/pagead/clk?mo=r&amp;ad=-6NYIbfrkNoC2eju6G5bIUx-BOZaQK7Zxr5lWfybetgflNyl6sYer8QYiUsDRGdVXYMgvQjLawfcAaogut-SpGzCRf...</a>
Just posted	Proposal Writing/Marketing - Up to \$80k	AppleOne	\$80,000 a year	<a href="https://www.indeed.com/pagead/clk?mo=r&amp;ad=-6NYIbfrkNoAkmmoSHSm6KXMG3PLe28evsq15ALZY-VGg2D...">https://www.indeed.com/pagead/clk?mo=r&amp;ad=-6NYIbfrkNoAkmmoSHSm6KXMG3PLe28evsq15ALZY-VGg2D...</a>

Chatbot overlay: Hi! I'm a virtual assistant. How can I help you today?

### 1.3 Feature 3: Chatbot interaction

**Company Name**

HR Role

[Apply Now](#)

**Company Name**

Senior Software engineer

[Apply Now](#)

**Watson Assistant**

The best way to contact us in South America is by emailing us at [bhuvanameenakshinathan@gmail.com](mailto:bhuvanameenakshinathan@gmail.com)

[Request contact information](#)

I can get you that information right away! Where are you based?

South America

South America

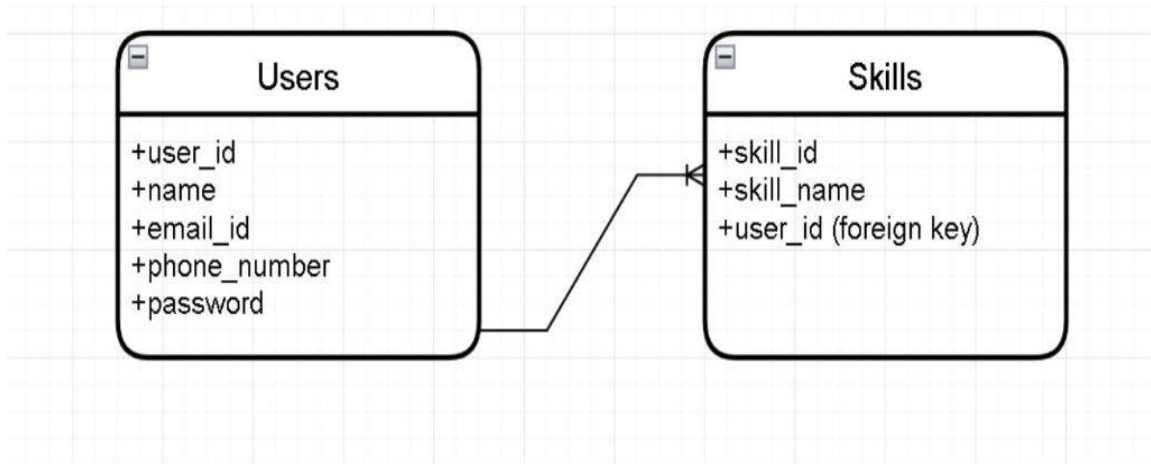
The best way to contact us in South America is by emailing us at [bhuvanameenakshinathan@gmail.com](mailto:bhuvanameenakshinathan@gmail.com)

Type something...

Built with IBM Watson®



## 1.4 Database Schema



## TESTING

### 8.1 Test Cases

This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fail	Pass
Login	5	0	0	5
Register	7	0	0	7
Home Page	2	0	0	2
Order page	3	0	0	3
Order products	9	0	0	9
Final Report Output	4	0	0	4
Version Control	2	0	0	2

## 8.2 USER ACCEPTANCE TESTING

### Purpose of Document

The purpose of this document is to briefly explain the test coverage and open issues of the Smart Fashion Recommender Application project at the time of the release to User Acceptance Testing (UAT).

### Defect Analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	5	5	2	3	21
Duplicate	1	0	3	0	4
External	2	3	0	1	6
Fixed	11	2	4	20	37
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won't Fix	0	5	2	1	8
Totals	24	14	13	26	77

RESULT

9.1 PERFORMANCE METRICS

Project team shall fill the following information in model performance testing.

NFT - Risk Assessment									
S.No	Project Name	Scope/feature	Functional Changes	Hardware Changes	Software Changes	Impact of Downtime	Load/Volumem Changes	Risk Score	Justification
1	Smart Fashion Recommender Application	New	Low	No Changes	Moderate		>\$ to 10%	ORANGE	As we have seen the chnages

NFT - Detailed Test Plan				
S.No	Project Overview	NFT Test approach	Assumptions/Dependencies/Risks	Approvals/SignOff
1	Smart Fashion Recommender Application	Manual testing	laptop or mobile with internet connection	vkparameshwaran

End Of Test Report								
S.No	Project Overview	NFT Test approach	NFR - Met	Test Outcome	GO/NO-GO decision	Recommendations	Identified Defects (Detected/Closed/Open)	Approvals/SignOff
1	Smart Fashion Recommender Application	Manule		Worked as we expected		Use Laptop / desktop Mode	No Defects	Vikparameshwaran

## **ADVANTAGES & DISADVANTAGES**

### **ADVANTAGES:**

- User can interact with the chatbot
- Get personalized jobs
- No cost or advertisements
- Alert will mail will be sent for user about jobs

### **DISADVANTAGES:**

- Fearing of data saved
- User have sometimes receives unrelated jobs due to poor connectivity of internet

## **CONCLUSION**

The application has been developed to make job search easier .The application that we have developed is user friendly .Users can find a job based on their skillset in a short period of time. The jobseekers certainly benefit by using this application.In addition,Chatbot has been implemented with the help of IBM Watson . The Chatbot helps jobseekers and organizations when they experience difficulties.Hence, a person who looks for a job can easily find a suitable job based on their skill set.

## **FUTURE SCOPE:**

The demand for jobs is rising, and more skilled developers are emerging every day. Hence this application has a lot of room to improve in ways that enable the users to find jobs that suit their needs and align with their skills. Here are some features that can be added/improved:

1. Integrate with other platforms such as Internshala.
2. Use data from users to train AI model that suggests suitable jobs for wide variety of skills.
3. Make the project open source and get feedback from the community.

## 13. APPENDIX

### Source Code

#### app.py:

```
from flask import Flask, render_template, request, redirect, url_for, session
from flask_mail import Mail, Message
from linkedin_api import Linkedin
import requests
import pandas as pd
import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail as mls
## email.mime subclasses
# Default dictionary: store a list with each key
import pandas as pd
import csv
import os
import json
import ibm_db
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=ea286ace-86c7-4d5b-8580-3fbfa46b1c66.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=31505;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=vtw87306;PWD=7Ekg9bFtTZv9f9XV",",")
print(conn)
print("success")
var_list = []
PROXYCURL_API_KEY = 'lIlwGU7otjlj1tbuyMfh1Q' # todo - fill this field up

app = Flask(__name__)
app.secret_key='a'
mail = Mail(app)
app.config['MAIL_SERVER']='smtp.gmail.com'
app.config['MAIL_PORT'] = 465
app.config['MAIL_USERNAME'] = 'kanthimathiiyyappan01@gmail.com'
app.config['MAIL_PASSWORD'] = 'djjeadqqalirhtqo'
app.config['MAIL_USE_TLS'] = False
app.config['MAIL_USE_SSL'] = True
mail = Mail(app)
```



```

@app.route('/')
def home():
    return render_template('login.html')

@app.route('/linkpass')
def linkpass():
    return render_template('linked.html')

@app.route('/MyProfile')
def MyProfile():
    return render_template('My Profile.html')

@app.route('/skillreg',methods=["POST", "GET"])
def dashhome():
    insert_sql = "INSERT INTO SKILLUSERB (EMAILID, PASSWORD,
NAME,PHONENUMBER) VALUES (?,?,?,?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    email = request.form['username']
    password= request.form['password']
    name = request.form['name']
    ph = request.form['phonenum']
    var_list.append(email)
    var_list.append(password)
    var_list.append(name)
    var_list.append(ph)
    ibm_db.bind_param(prepare_stmt, 1, email)
    ibm_db.bind_param(prepare_stmt, 2, password)
    ibm_db.bind_param(prepare_stmt, 3, name)
    ibm_db.bind_param(prepare_stmt, 4, ph)
    print("giun")
    ibm_db.execute(prepare_stmt)
    return render_template('email.html')
@app.route('/MyProfile',methods=["POST", "GET"])
def profile():
    return render_template('My Profile.html',data=dict)

@app.route('/prev',methods=["POST", "GET"])
def prev():
    return render_template('skill.html')

```

```

@app.route('/gojob',methods=["POST", "GET"])
def gojob():
    print("job")
    search_term=request.form['job']
    locations=request.form['loc']

    url = "https://indeed11.p.rapidapi.com/"

    payload = {
        "search_terms": "Marketing",
        "location": "United States",
        "page": "1"
    }
    headers = {
        "content-type": "application/json",
        "X-RapidAPI-Key":
"3949ad447bmsha76d11ba56ea795p1dcde7jsn0350741e0f8d",
        "X-RapidAPI-Host": "indeed11.p.rapidapi.com"
    }

    response = requests.request("POST", url, json=payload, headers=headers)
    html=response.text
    print(response.text)
    dict=json.loads(html)
    print(dict)
    return render_template('dashboard.html',data=dict)
@app.route('/register',methods=["POST", "GET"])
def register():
    return render_template('register.html')

@app.route('/linkedlogin',methods=["POST", "GET"])
def linkedlogin():
    username = request.form['username']
    # password= request.form['password']
    # email = request.form['email']
    # api=Linkedin("bhuvanameenakshinathan@gmail.com","bhuvaneswari18#M")
    # print("sdf")
    # print(api.get_profile_skills("www.linkedin.com/in/bhuvaneswari-m-a24a431a2"))
    api_endpoint = 'https://nubela.co/proxycurl/api/v2/linkedin'
    header_dic = {'Authorization': 'Bearer ' + PROXYCURL_API_KEY}
    params = {
        'url': f'https://www.linkedin.com/in/{username}',

```

```

}
response = requests.get(api_endpoint,
                        params=params,
                        headers=header_dic)
print(response.json())
return render_template('skill.html')

@app.route('/confirm',methods=["POST", "GET"])
def confirm():
    print("hi")
    msg = Message('Registration successfully completed', sender =
'kanthimathiiyappan01@gmail.com', recipients = [var_list[0]])
    msg.body = "Thank You for registering in Skill/Job recommendation application
and Submit your resume in your profile section and Can apply for your desired jobs"
    mail.send(msg)
    print("hj")
    return render_template('Application form.html')

@app.route('/subapp',methods=["POST", "GET"])
def subapp():
    insert_sql = "INSERT INTO DETAILSB
(NAME,FNAME,GENDER,EID,ADDRESS,TENTHMARK,TWELTHMARK,DEG
_CGPA,AADHAR,DOMAIN) VALUES (?,?,,?,,?,,?,,?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    name = request.form['yourname']
    fname = request.form['fname']
    GD = request.form['GD']
    EID = request.form['EID']
    add = request.form['AL1']
    mark1 = request.form['s5']
    mark2 = request.form['h5']
    cgpa = request.form['b5']
    AADHAR = request.form['Aadhar']
    DOMAIN = request.form['domain']

    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, fname)
    ibm_db.bind_param(prepare_stmt, 3, GD)
    ibm_db.bind_param(prepare_stmt, 4, EID)
    ibm_db.bind_param(prepare_stmt, 5, add)
    ibm_db.bind_param(prepare_stmt,6, mark1)
    ibm_db.bind_param(prepare_stmt,7, mark2)

```

```

ibm_db.bind_param(prepare_stmt, 8, cgpa)
ibm_db.bind_param(prepare_stmt, 9, AADHAR)
ibm_db.bind_param(prepare_stmt, 10, DOMAIN)

print("giun")
ibm_db.execute(prepare_stmt)
# message = mls(
# from_email='kanthimathiiyappan01@gmail.com',
# to_emails='1912005@nec.edu.in',
# subject='Your Application has been Saved',
# html_content='<strong>Further you can edit the application form in your profile
section and continue your job searching and apply to it</strong>')
# try:
#     sg =
SendGridAPIClient(os.environ.get('SG.iuYvlzDASvexbXtcuJ1tow.PuGEQ41BijSKs
sZtfEwK-6NOIZgvch7bipYErpUaYOw'))
#     response = sg.send(message)
#     print(response.status_code)
#     print(response.body)
#     print(response.headers)
# except Exception as e:
#     print(e.message)
msg = Message('Your Application has been Saved', sender =
'kanthimathiiyappan01@gmail.com', recipients = [EID])
msg.body = "Further you can edit the application form in your profile section and
continue your job searching and apply to it"
mail.send(msg)
return render_template('skill.html')

@app.route('/skilllogin',methods=["POST", "GET"])
def login():
    msg = "
    if request.method == 'POST' and 'username' in request.form and 'password' in
request.form:
        email = request.form['username']
        password = request.form['password']
        sql = "SELECT * FROM SKILLUSERB WHERE EMAILID =? AND
PASSWORD =?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.bind_param(stmt,2,password)
        ibm_db.execute(stmt)

```

```

account = ibm_db.fetch_assoc(stmt)

if account:
    msg = 'Logged in successfully !'
    return render_template('skill.html', msg = msg)
else:
    msg = 'Incorrect email / password !'
return render_template('login.html', msg = msg)

if __name__ == "__main__":
    app.run(host='0.0.0.0', debug=True)

```

### **skill.html:**

```

<!DOCTYPE html>
<html lang="en">
  <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"></script>
  <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>

  <!-- <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.1.3/css/bootstrap.min.css"> -->
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.9.0/css/all.min.css">

  <link rel="stylesheet"
<head>
  <title> Skill-Up </title>

```

```
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css">href=
"https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
<script src='https://kit.fontawesome.com/a076d05399.js'
crossorigin='anonymous'></script>
<link rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=Material+Icons">
<script src='https://kit.fontawesome.com/a076d05399.js'
crossorigin='anonymous'></script>
```

```
<link rel="icon" href="">
```

```
<style>
```

```
.place{
font-size: 16px;
display: block;
font-family: 'Rubik', sans-serif;
width: 100%;
padding: 10px 1px;
border: 0;
border-bottom: 1px solid #747474;
outline: none;
}
label{
font-size: 19px;
}
td{ padding: 1
4px;
}
.btn{ color:wh
ite; font-
size: 16px;
background-color: #007bff;
border-radius: 5px;
width: 100px;
height: 40px;
text-align: center;
padding: 9px;
```

```

}

.btn:hover{
background-color: whitesmoke;
color:#007bff;
}
*{
font-family:Georgia;
}
.head
{
padding-top:55px;
padding-bottom:55px;
text-align:center;
font-family:Georgia;
}
.head
h1 { color:white;
}
body{
background-image:transparent;
}
.bodymain{ background-color:#fff;border-radius:7px;
height:330px;
width:450px;
padding-top:15px;
box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
}

.li{
text-decoration: none;
}

a {
color: white;
}

.shfooter .collapse
{display: inherit;
}

@media (max-width: 767px) {

```

```

.shfooter ul
{ margin-bottom:
0;
}

.shfooter .collapse
{display: none;
}

.shfooter .collapse.show
{display: block;
}

.shfooter .title .fa-angle-up,
.shfooter .title[aria-expanded="true"] .fa-angle-down
{display: none;
}

.shfooter .title[aria-expanded="true"] .fa-angle-up
{display: block;
}

.shfooter .navbar-toggler
{display: inline-block;
padding: 0;
}

.resize {
text-align: center;
}

.resize {
margin-top: 3rem;
font-size: 1.25rem;
}
/*RESIZESCREEN ANIMATION*/
.fa-angle-double-right {
animation: rightanime 1s linear infinite;
}

.fa-angle-double-left {
animation: leftanime 1s linear infinite;
}
@keyframes rightanime {

```





```

<div class=" container ">
  <center>
    <div class="bodymain shadow-lg bg-white rounded">
      <h3>Find Jobs Here</h3>
      <form name="myform" action="/gojob" method="POST">
        <table width="450px">
          <tr>
            <td>
              <label for="job"><b>Category</b></label>
            </td>
            <td>
              <input type="text" id="job" class="place" placeholder="Job title or
keywords" name="job" maxlength="50" size="30">
            </td>
          </tr>
          <tr>
            <td>
              <label for="location"><b>Location</b></label>
            </td>
            <td>
              <input type="text" id="loc" class="place" placeholder="e.g Chennai"
name="loc" maxlength="50" size="30">
            </td>
          </tr>
          <tr>
            <td colspan="2" style="padding-left:160px" >
              <input type="submit" value="Go" name="save" class="btn" id="login">
            </td>
          </tr>
        </table>
      </form>
    </div>
  </center>
</div> <br>
<br>
<br>
<br>
<br>
<br>

```

```

<br>
<br>
    <!--footer-->
    <footer id="footer" class="text-white d-flex-column text-center"
style="background-color:#007bff;">
    <hr class="mt-0">
    <!--Social buttons-->
    <div class="text-center">
    <h4>You can find us at</h4>
    <ul class="list-unstyled list-inline">
    <li class="list-inline-item">
        <a href="https://www.facebook.com/kanthimathi.iyyappan" target="_blank"
class="sbtn btn-large mx-1" title="Facebook">
            <i class="fab fa-facebook-square fa-2x"></i>
        </a>
    </li>
    <li class="list-inline-item">
        <a href="#" class="sbtn btn-large mx-1" title="Linkedin">
            <i class="fab fa-linkedin fa-2x"></i>
        </a>
    </li>
    <li class="list-inline-item">
        <a href="#" class="sbtn btn-large mx-1" title="Twitter">
            <i class="fab fa-twitter-square fa-2x"></i>
        </a>
    </li>
    </ul>
    </div>
    <!--/.Social buttons-->

    <!--Copyright-->
    <div class="py-3 text-center text-white">
        Copyright @ 2022 | <a href=""> skill-up.com</a>
    </div>
    <!--/.Copyright-->
</footer>
<script>
window.watsonAssistantChatOptions = {
    integrationID: "9ebae464-b593-4cd9-9022-c097d8f7e9c9", // The ID of this
integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "33512651-9be1-4d7a-8f97-b40aab4ebaf6", // 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>
</body>
</html>

```

### login.html:

```

<html>
<head>
<title>login</title>

<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.1.3/dist/css/bootstrap.min.css"
integrity="sha384-
MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdkn
LPMO" crossorigin="anonymous">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
<script>
  document.getElementById("login").addEventListener("click",dash);
  function dash(){
    window.location.href="skill.html";
  }
  document.getElementById("Register").addEventListener("click",dash1);
  function dash1(){
    window.location.href="register.html";
  }
</script>

<style>
.place{
  font-size: 13px;
  display: block;
  font-family: 'Rubik', sans-serif;

```

```

width: 100%;
padding: 10px 1px;
border: 0;
border-bottom: 1px solid #747474;
outline: none;
}
label{
font-size:16px;
}
td{ padding:1
4px;
}
.btn{ color:wh
ite; font-
size:16px;
background-color: #007bff;
border-radius: 5px;
width:100px;
height:40px;
text-align: center;
padding:9px;
}

.btn:hover{
background-color: whitesmoke;
color:#007bff;
}
*{
font-family:Georgia;
}
.head
{
padding-top:55px;
padding-bottom:55px;
text-align:center;
font-family:Georgia;
}
.head
h1{ color:w
hite;
}
body{
background-image:linear-gradient(180deg,#007bff 50%,transparent 50%);
}

```

```

.bodymain{ backgrou
nd-color:#fff;border-
radius:7px;
height:330px;
width:450px;
padding-top:15px;
box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
}
</style>
</head>

<body>
<div class="head">
<h1>Skill/Job Recommender Application</h1>
</div>
<center>
<div class="bodymain shadow-lg bg-white rounded">
  <h5>Login Your Profile</h5>
<form name="myform" action="/skilllogin" method="POST">
<table width="450px">
<tr>
<td>
<label for="username"><b>Email Id</b></label>
</td>
<td>
<input type="text" id="username" class="place" placeholder="example@gmail.com"
name="username" maxlength="50" size="30">
</td>
</tr>
<tr>
<td>
<label for="password"><b>Password</b></label>
</td>
<td>
<input type="password" id="password" class="place" Placeholder="Enter Password"
name="password" maxlength="50" size="30">
</td>
</tr>
<tr>
<td colspan="2" style="padding-left:160px" >
<input type="submit" value="Login" name="save" class="btn" id="login">
</td>

```

```

</tr>
<tr>
<td style="font-size:17px">
<a href="{ {url_for('linkpass')}} " style="color:#007bff;text-decoration:
none;padding-left:1px;"><i class="fa fa-linkedin-square" style="font-
size:19px;color:#007bff"></i>      Continue with LinkedIn</a>
</td>
<td style="font-size:17px">
<a href="{ {url_for('register')}} " style="text-align:left;vertical-
align:top;color:#007bff;text-decoration: none;padding-left:10px;">New user?</a>
</td>

</tr>
</table>
</form>
</div>
</center>
</body>
</html>

```

### register.html:

```

<html>
<head>
<title>login</title>

<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.1.3/dist/css/bootstrap.min.css"
integrity="sha384-
MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdkn
LPMO" crossorigin="anonymous">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
<script>

</script>

<style>
.place{
font-size: 14px;
display: block;
font-family: 'Rubik', sans-serif;

```

```

width: 100%;
padding: 10px 1px;
border: 0;
border-bottom: 1px solid #747474;
outline: none;
}
label{
font-size:14px;
}
td{ padding:1
2px;
}
.btn{ color:wh
ite; font-
size:16px;
background-color: #007bff;
border-radius: 5px;
width:100px;
height:45px;
text-align: center;
padding:9px;
}

.btn:hover{
background-color: whitesmoke;
color:#007bff;
}
*{
font-family:Georgia;
}
.head
{
padding-top:55px;
padding-bottom:55px;
text-align:center;
font-family:Georgia;
}
.head
h1{ color:w
hite;
}
body{
background-image:linear-gradient(180deg,#007bff 50%,transparent 50%);
}

```



```

.bodymain{ backgrou
nd-color:#fff;border-
radius:7px;
height:434px;
width:550px;
padding-top:20px;
box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
}
</style>
</head>

<body>
<div class="head">
<h1>Skill/Job Recommender Application</h1>
</div>
<center>
<div class="bodymain shadow-lg bg-white rounded">
<form name="myform" action="/skillreg" method="POST">
<table width="550px">
<tr>
<td colspan="2" style="font-size:22px;padding-left:120px;">
Register Your Profile
</td>
</tr>
<tr>
<td>
<label for="name"><b>Name</b></label>
</td>
<td>
<input type="text" id="name" class="place" placeholder="Enter Name"
name="name" maxlength="50" size="30">
</td>
</tr>
<tr>
<td>
<label for="phonenum"><b>Phone number</b></label>
</td>
<td>
<input type="text" id="phonenum" class="place" placeholder="Enter
Phonenumber" name="phonenum" maxlength="50" size="30">
</td>
</tr>

```

```

    <tr>
    <td>
    <label for="username"><b>Email Id</b></label>
    </td>
    <td>
    <input type="text" id="username" class="place" placeholder="example@gmail.com"
    name="username" maxlength="50" size="30">
    </td>
    </tr>
    <tr>
    <td>
    <label for="password"><b>Password</b></label>
    </td>
    <td>
    <input type="password" id="password" class="place" Placeholder="Enter Password"
    name="password" maxlength="50" size="30">
    </td>
    </tr>
    <tr>
    <td>
    </td>
    <td>
    <input type="submit" value="Register" name="save" class="btn" id="login">
    </td>
    </tr>
</table>
</form>
</div>
</center>
</body>
</html>

```

### email.html:

```

<!DOCTYPE HTML PUBLIC "-//W3C//DTD XHTML 1.0 Transitional //EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xmlns:v="urn:schemas-microsoft-
com:xml" xmlns:o="urn:schemas-microsoft-com:office:office">

<head>
  <!--[if gte mso 9]>
<xml>

```

```
<o:OfficeDocumentSettings>
  <o:AllowPNG/>
  <o:PixelsPerInch>96</o:PixelsPerInch>
</o:OfficeDocumentSettings>
</xml>
<![endif]-->
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta name="x-apple-disable-message-reformatting">
<!--[if !mso]><!-->
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<!--<![endif]-->
<title></title>

<style type="text/css">
  @media only screen and (min-width: 620px) {
    .u-row {
      width: 600px !important;
    }
    .u-row .u-col
      { vertical-align:
        top;
      }
    .u-row .u-col-100 { width:
      600px !important;
    }
  }

  @media (max-width: 620px) {
    .u-row-container {
      max-width: 100% !important;
      padding-left: 0px !important;
      padding-right: 0px !important;
    }
    .u-row .u-col {
      min-width: 320px !important;
      max-width: 100% !important;
      display: block !important;
    }
    .u-row {
      width: calc(100% - 40px) !important;
    }
    .u-col {
      width: 100% !important;
```

```

    }
    .u-col>div
    { margin: 0
      auto;
    }
  }

body
  { margin:
    0;
    padding: 0;
  }

table,
tr,
td {
  vertical-align: top;
  border-collapse: collapse;
}

p {
  margin: 0;
}

.ie-container table,
.mso-container table
  {table-layout: fixed;
  }

* {
  line-height: inherit;
}

a[x-apple-data-detectors='true']
  {color: inherit !important;
  text-decoration: none !important;
}

table,
td {
  color: #000000;
}

#u_body a
  { color:
    #0000ee;

```

```
text-decoration: underline;
}
</style>
```

```
<!--[if !mso]><!-->
<link href="https://fonts.googleapis.com/css?family=Cabin:400,700"
rel="stylesheet" type="text/css">
<!--<![endif]-->
```

```
</head>
```

```
<body class="clean-body u_body" style="margin: 0;padding: 0;-webkit-text-size-
adjust: 100%;background-color: #f9f9f9;color: #000000">
<!--[if IE]><div class="ie-container"><![endif]-->
<!--[if mso]><div class="mso-container"><![endif]-->
<table id="u_body" style="border-collapse: collapse;table-layout: fixed;border-
spacing: 0;mso-table-lspace: 0pt;mso-table-rspace: 0pt;vertical-align: top;min-width:
320px;Margin: 0 auto;background-color: #f9f9f9;width:100%" cellpadding="0"
cellspacing="0">
<tbody>
<tr style="vertical-align: top">
<td style="word-break: break-word;border-collapse:
collapse !important;vertical-align: top">
<!--[if (mso)|(IE)]><table width="100%" cellpadding="0" cellspacing="0"
border="0"><tr><td align="center" style="background-color: #f9f9f9;"><![endif]-->
```

```
<div class="u-row-container" style="padding: 0px;background-color:
transparent">
```

```
<div class="u-row" style="Margin: 0 auto;min-width: 320px;max-width:
600px;overflow-wrap: break-word;word-wrap: break-word;word-break: break-
word;background-color: transparent;">
```

```
<div style="border-collapse: collapse;display: table;width: 100%;height:
100%;background-color: transparent;">
```

```
<!--[if (mso)|(IE)]><table width="100%" cellpadding="0" cellspacing="0"
border="0"><tr><td style="padding: 0px;background-color: transparent;"
align="center"><table cellpadding="0" cellspacing="0" border="0"
style="width:600px;"><tr style="background-color: transparent;"><![endif]-->
```

```
<!--[if (mso)|(IE)]><td align="center" width="600" style="width:
600px;padding: 0px;border-top: 0px solid transparent;border-left: 0px solid
```

transparent;border-right: 0px solid transparent;border-bottom: 0px solid transparent;"  
valign="top"><![endif]-->

<div class="u-col u-col-100" style="max-width: 320px;min-width:  
600px;display: table-cell;vertical-align: top;">

<div style="height: 100%;width: 100% !important;">

<!--[if (!mso)&(!IE)]><!-->

<div style="height: 100%; padding: 0px;border-top: 0px solid  
transparent;border-left: 0px solid transparent;border-right: 0px solid  
transparent;border-bottom: 0px solid transparent;">

<!--<![endif]-->

<table style="font-family:'Cabin',sans-serif;" role="presentation"  
cellpadding="0" cellspacing="0" width="100%" border="0">

<tbody>

<tr>

<td style="overflow-wrap:break-word;word-break:break-  
word;padding:10px;font-family:'Cabin',sans-serif;" align="left">

<div style="color: #afb0c7; line-height: 170%; text-align: center;  
word-wrap: break-word;">

<p style="font-size: 14px; line-height: 170%;"><span  
style="font-size: 14px; line-height: 23.8px;">View Email in Browser</span></p>  
</div>

</td>

</tr>

</tbody>

</table>

<!--[if (!mso)&(!IE)]><!-->

</div>

<!--<![endif]-->

</div>

</div>

<!--[if (mso)|(IE)]></td><![endif]-->

<!--[if (mso)|(IE)]></tr></table></td></tr></table><![endif]-->

</div>

</div>

</div>

<div class="u-row-container" style="padding: 0px;background-color:

```

transparent">
    <div class="u-row" style="Margin: 0 auto;min-width: 320px;max-width:
600px;overflow-wrap: break-word;word-wrap: break-word;word-break: break-
word;background-color: #ffffff;">
        <div style="border-collapse: collapse;display: table;width: 100%;height:
100%;background-color: transparent;">
            <!--[if (mso)|(IE)]><table width="100%" cellpadding="0" cellspacing="0"
border="0"><tr><td style="padding: 0px;background-color: transparent;"
align="center"><table cellpadding="0" cellspacing="0" border="0"
style="width:600px;"><tr style="background-color: #ffffff;"><![endif]-->

                <!--[if (mso)|(IE)]><td align="center" width="600" style="width:
600px;padding: 0px;border-top: 0px solid transparent;border-left: 0px solid
transparent;border-right: 0px solid transparent;border-bottom: 0px solid transparent;"
valign="top"><![endif]-->
                <div class="u-col u-col-100" style="max-width: 320px;min-width:
600px;display: table-cell;vertical-align: top;">
                    <div style="height: 100%;width: 100% !important;">
                        <!--[if (!mso)&(!IE)]><!-->
                        <div style="height: 100%; padding: 0px;border-top: 0px solid
transparent;border-left: 0px solid transparent;border-right: 0px solid
transparent;border-bottom: 0px solid transparent;">
                            <!--<![endif]-->

                                <table style="font-family:'Cabin',sans-serif;" role="presentation"
cellpadding="0" cellspacing="0" width="100%" border="0">
                                    <tbody>
                                        <tr>
                                            <td style="overflow-wrap:break-word;word-break:break-
word;padding:20px;font-family:'Cabin',sans-serif;" align="left">

                                                <table width="100%" cellpadding="0" cellspacing="0"
border="0">
                                                    <tr>
                                                        <td style="padding-right: 0px;padding-left: 0px;"
align="center">

```

```
</td>
</tr>
</table>
```

```
</td>
</tr>
</tbody>
</table>
```

```
<!--[if (!mso)&(!IE)]><!-->
</div>
<!--<![endif]-->
</div>
</div>
<!--[if (mso)|(IE)]></td><![endif]-->
<!--[if (mso)|(IE)]></tr></table></td></tr></table><![endif]-->
</div>
</div>
</div>
```

```
<div class="u-row-container" style="padding: 0px;background-color:
transparent">
```

```
<div class="u-row" style="Margin: 0 auto;min-width: 320px;max-width:
600px;overflow-wrap: break-word;word-wrap: break-word;word-break: break-
word;background-color: #003399;">
```

```
<div style="border-collapse: collapse;display: table;width: 100%;height:
100%;background-color: transparent;">
```

```
<!--[if (mso)|(IE)]><table width="100%" cellpadding="0" cellspacing="0"
border="0"><tr><td style="padding: 0px;background-color: transparent;"
align="center"><table cellpadding="0" cellspacing="0" border="0"
style="width:600px;"><tr style="background-color: #003399;"><![endif]-->
```

```
<!--[if (mso)|(IE)]><td align="center" width="600" style="width:
600px;padding: 0px;border-top: 0px solid transparent;border-left: 0px solid
transparent;border-right: 0px solid transparent;border-bottom: 0px solid transparent;"
valign="top"><![endif]-->
```

```
<div class="u-col u-col-100" style="max-width: 320px;min-width:
600px;display: table-cell;vertical-align: top;">
```

```
<div style="height: 100%;width: 100% !important;">
```

```
<!--[if (!mso)&(!IE)]><!-->
```



```
<div style="height: 100%; padding: 0px;border-top: 0px solid
transparent;border-left: 0px solid transparent;border-right: 0px solid
transparent;border-bottom: 0px solid transparent;">
```

```
<!--<![endif]-->
```

```
<table style="font-family:'Cabin',sans-serif;" role="presentation"
cellpadding="0" cellspacing="0" width="100%" border="0">
```

```
<tbody>
```

```
<tr>
```

```
<td style="overflow-wrap:break-word;word-break:break-
word;padding:40px 10px 10px;font-family:'Cabin',sans-serif;" align="left">
```

```
<table width="100%" cellpadding="0" cellspacing="0"
border="0">
```

```
<tr>
```

```
<td style="padding-right: 0px;padding-left: 0px;"
align="center">
```

```

```

```
</td>
```

```
</tr>
```

```
</table>
```

```
</td>
```

```
</tr>
```

```
</tbody>
```

```
</table>
```

```
<table style="font-family:'Cabin',sans-serif;" role="presentation"
cellpadding="0" cellspacing="0" width="100%" border="0">
```

```
<tbody>
```

```
<tr>
```

```
<td style="overflow-wrap:break-word;word-break:break-
word;padding:10px;font-family:'Cabin',sans-serif;" align="left">
```

```
<div style="color: #e5eaf5; line-height: 140%; text-align: center;
word-wrap: break-word;">
```

<p style="font-size: 14px; line-height: 140%;"><strong>T H A N  
K S F O R S I G N I N G U P !</strong></p>  
</div>

</td>  
</tr>  
</tbody>  
</table>

<table style="font-family:'Cabin',sans-serif;" role="presentation"  
cellpadding="0" cellspacing="0" width="100%" border="0">  
<tbody>  
<tr>  
<td style="overflow-wrap:break-word;word-break:break-  
word;padding:0px 10px 31px;font-family:'Cabin',sans-serif;" align="left">

<div style="color: #e5eaf5; line-height: 140%; text-align: center;  
word-wrap: break-word;">

<p style="font-size: 14px; line-height: 140%;"><span  
style="font-size: 28px; line-height: 39.2px;"><strong><span style="line-height:  
39.2px; font-size: 28px;">Confirm Your E-mail Address </span></strong>  
</span>  
</p>  
</div>

</td>  
</tr>  
</tbody>  
</table>

<!--[if (!mso)&(!IE)]><!-->  
</div>  
<!--<![endif]-->  
</div>  
</div>  
<!--[if (mso)|(IE)]></td><![endif]-->  
<!--[if (mso)|(IE)]></tr></table></td></tr></table><![endif]-->  
</div>  
</div>  
</div>

```

<div class="u-row-container" style="padding: 0px;background-color:
transparent">
  <div class="u-row" style="Margin: 0 auto;min-width: 320px;max-width:
600px;overflow-wrap: break-word;word-wrap: break-word;word-break: break-
word;background-color: #ffffff;">
    <div style="border-collapse: collapse;display: table;width: 100%;height:
100%;background-color: transparent;">
      <!--[if (mso)|(IE)]><table width="100%" cellpadding="0" cellspacing="0"
border="0"><tr><td style="padding: 0px;background-color: transparent;"
align="center"><table cellpadding="0" cellspacing="0" border="0"
style="width:600px;"><tr style="background-color: #ffffff;"><![endif]-->

      <!--[if (mso)|(IE)]><td align="center" width="600" style="width:
600px;padding: 0px;border-top: 0px solid transparent;border-left: 0px solid
transparent;border-right: 0px solid transparent;border-bottom: 0px solid transparent;"
valign="top"><![endif]-->
      <div class="u-col u-col-100" style="max-width: 320px;min-width:
600px;display: table-cell;vertical-align: top;">
        <div style="height: 100%;width: 100% !important;">
          <!--[if (!mso)&(!IE)]><!-->
          <div style="height: 100%; padding: 0px;border-top: 0px solid
transparent;border-left: 0px solid transparent;border-right: 0px solid
transparent;border-bottom: 0px solid transparent;">
            <!--<![endif]-->

            <table style="font-family:'Cabin',sans-serif;" role="presentation"
cellpadding="0" cellspacing="0" width="100%" border="0">
              <tbody>
                <tr>
                  <td style="overflow-wrap:break-word;word-break:break-
word;padding:33px 55px;font-family:'Cabin',sans-serif;" align="left">

                    <div style="line-height: 160%; text-align: center; word-wrap:
break-word;">
                      <p style="font-size: 14px; line-height: 160%;"><span
style="font-size: 22px; line-height: 35.2px;">Hi, </span></p>
                      <p style="font-size: 14px; line-height: 160%;"><span
style="font-size: 18px; line-height: 28.8px;">You're almost ready to get started.
Please click on the button below to confirm your email address and experience the
Skill/Job recommender Application!</span></p>
                    </div>

                  </td>

```

```
</tr>
</tbody>
</table>
```

```
<table style="font-family:'Cabin',sans-serif;" role="presentation"
cellpadding="0" cellspacing="0" width="100%" border="0">
```

```
<tbody>
```

```
<tr>
```

```
<td style="overflow-wrap:break-word;word-break:break-
word;padding:10px;font-family:'Cabin',sans-serif;" align="left">
```

```
<!--[if mso]><style>.v-button {background:
transparent !important;}</style><![endif]-->
```

```
<div align="center">
```

```
<!--[if mso]><v:roundrect xmlns:v="urn:schemas-microsoft-
com:vml" xmlns:w="urn:schemas-microsoft-com:office:word"
href="http://localhost:5000/confirm" style="height:46px; v-text-anchor:middle;
width:157px;" arcsize="8.5%" stroke="f"
fillcolor="#9ecbe4"><w:anchorlock/><center style="color:#103c55;font-
family:'Cabin',sans-serif;"><![endif]-->
```

```
<form action="{ {url_for('confirm') }}" method="post">
```

```
<input type="submit" value="confirm" name="confirm"
class="v-button" style="box-sizing: border-box;display: inline-block;font-
family:'Cabin',sans-serif;text-decoration: none;-webkit-text-size-adjust: none;text-
align: center;color: #103c55; background-color: #9ecbe4; border-radius: 4px;-webkit-
border-radius: 4px; -moz-border-radius: 4px; width:auto; max-width:100%;
overflow-wrap: break-word; word-break: break-word; word-wrap:break-word; mso-
border-alt: none;">
```

```
</form>
```

```
<!--[if mso]></center></v:roundrect><![endif]-->
```

```
</div>
```

```
</td>
```

```
</tr>
```

```
</tbody>
```

```
</table>
```

```
<table style="font-family:'Cabin',sans-serif;" role="presentation"
cellpadding="0" cellspacing="0" width="100%" border="0">
```

```
<tbody>
```

```
<tr>
```

```
<td style="overflow-wrap:break-word;word-break:break-
word;padding:33px 55px 60px;font-family:'Cabin',sans-serif;" align="left">
```

```

        <div style="color: #3598db; line-height: 160%; text-align: center;
word-wrap: break-word;">
            <p style="line-height: 160%; font-size: 14px;"><span
style="font-size: 18px; line-height: 28.8px;">Once again, Thanks for signing up with
us!</span></p>
        </div>

    </td>
</tr>
</tbody>
</table>

    <!--[if (!mso)&(!IE)]><!-->
</div>
<!--<![endif]-->
</div>
</div>
<!--[if (mso)|(IE)]></td><![endif]-->
<!--[if (mso)|(IE)]></tr></table></td></tr></table><![endif]-->
</div>
</div>
</div>

    <!--[if (mso)|(IE)]></td></tr></table><![endif]-->
</td>
</tr>
</tbody>
</table>
<!--[if mso]></div><![endif]-->
<!--[if IE]></div><![endif]-->
</body>

</html>

```

### linked.html:

```

<html>
<head>
<title>login</title>

```

```

<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.1.3/dist/css/bootstrap.min.css"
integrity="sha384-
MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdkn
LPMO" crossorigin="anonymous">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
<script>
    document.getElementById("login").addEventListener("click",dash);
    function dash(){
        window.location.href="skill.html";
    }
    document.getElementById("Register").addEventListener("click",dash1);
    function dash1(){
        window.location.href="register.html";
    }
</script>

<style>
.place{
    font-size: 13px;
    display: block;
    font-family: 'Rubik', sans-serif;
    width: 100%;
    padding: 10px 1px;
    border: 0;
    border-bottom: 1px solid #747474;
    outline: none;
}
label{
font-size:12.5px;
}
td{ padding:1
4px;
}
.btn{ color:wh
ite; font-
size:16px;
background-color: #007bff;
border-radius: 5px;
width:100px;
height:40px;
text-align: center;

```

```

padding:9px;
}

.btn:hover{
background-color: whitesmoke;
color:#007bff;
}
* {
font-family:Georgia;
}
.head
{
padding-top:55px;
padding-bottom:55px;
text-align:center;
font-family:Georgia;
}
.head
h1 { color:white;
}
body{
background-image:linear-gradient(180deg,#007bff 50%,transparent 50%);
}
.bodymain{ background-color:#fff;border-radius:7px;
height:230px;
width:450px;
padding-top:30px;
box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
}
</style>
</head>

<body>
<div class="head">
<h1>Skill/Job Recommender Application</h1>
</div>
<center>
<div class="bodymain shadow-lg bg-white rounded">
  <h6>Login through Linkedin</h6>
  <form name="myform" action="/linkedlogin" method="POST">
<table width="450px">

```

```

<tr>
<td>
<label for="username"><b>Linkedin UserId</b></label>
</td>
<td>
<input type="text" id="username" class="place" placeholder="Enter UserId"
name="username" maxlength="50" size="30">
</td>
</tr>
<tr>
<td colspan="2" style="padding-left:160px" >
<input type="submit" value="Login" name="save" class="btn" id="login">
</td>

</tr>
</table>
</form>
</div>
</center>
</body>
</html>

```

### notify.html:

```

<!DOCTYPE html >
<head>
  <meta charset="utf-8">
  <meta http-equiv="x-ua-compatible" content="ie=edge">
  <meta name="description" content="">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <!-- Bootstrap Css & Js -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW
3" crossorigin="anonymous">
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
ka7Sk0GlIn4gmtz2MlQnikT1wXgYsOg+OMhuP+IIRH9sENBO0LRn5q+8nbTov4+
1p" crossorigin="anonymous"></script>

```



```

<style>
html,body
{
    height: 100%;
    margin: 0;
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
}

</style>
<!-- CSS here -->
<link href="static/css/mystyle.css" rel="Stylesheet" />
<body>
    <div style="background-image: url('static/img/Secure login-
rafiki.png');background-position: center; background-repeat: no-repeat; background-
size: contain; background-repeat: no-repeat; height: 100%;">
        <h1 class="display-6" style="text-align: center;">We have sent a confirmation
mail to your registered E-mail.</h1>
        <h1 class="display-6" style="text-align: center;"> Please confirm the mail to
continue Registration.</h1>
    </div>
</body>
</html>

```

### dashboard.html:

```

<!DOCTYPE html>
<html lang="en">
<head>
    <title> Skill-Up </title>

    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css">
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>
    <script src="https://code.jquery.com/jquery-1.9.1.min.js"></script>
    <script src='https://kit.fontawesome.com/a076d05399.js'
crossorigin='anonymous'></script>
    <link rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=Material+Icons">

```

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

```
<link rel="icon" href="">
```

```
<style>
```

```
.place{  
  font-size: 16px;  
  display: block;  
  font-family: 'Rubik', sans-serif;  
  width: 100%;  
  padding: 10px 1px;  
  border: 0;  
  border-bottom: 1px solid #747474;  
  outline: none;  
}
```

```
label{  
  font-size: 19px;  
}
```

```
td{ padding: 1  
4px;  
}
```

```
.btn{ color: wh  
ite; font-  
size: 16px;  
background-color: #007bff;  
border-radius: 5px;  
width: 100px;  
height: 40px;  
text-align: center;  
padding: 9px;  
}
```

```
.btn:hover{  
  background-color: whitesmoke;  
  color: #007bff;  
}
```

```
*{  
  font-family: Georgia;  
}
```

```
.head
```

```

{
padding-top:55px;
padding-bottom:55px;
text-align:center;
font-family:Georgia;
}
.head
h1 { color:white;
}
body{
background-image:transparent;
}
.bodymain{ background-color:#fff;border-radius:7px;
height:330px;
width:450px;
padding-top:15px;
box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);
}

    .li{
        text-decoration: none;
    }

    a {
        color: white;
    }

.shfooter .collapse
{display: inherit;
}
@media (max-width: 767px) {
    .shfooter ul
        { margin-bottom:
            0;
        }

    .shfooter .collapse
        {display: none;
        }

    .shfooter .collapse.show
        {display: block;

```

```

}

.shfooter .title .fa-angle-up,
.shfooter .title[aria-expanded="true"] .fa-angle-down
{display: none;
}

.shfooter .title[aria-expanded="true"] .fa-angle-up
{display: block;
}

.shfooter .navbar-toggler
{display: inline-block;
padding: 0;
}

.resize {
text-align: center;
}
.resize {
margin-top: 3rem;
font-size: 1.25rem;
}
/*RESIZESCREEN ANIMATION*/
.fa-angle-double-right {
animation: rightanime 1s linear infinite;
}

.fa-angle-double-left {
animation: leftanime 1s linear infinite;
}
@keyframes rightanime
{50% {
transform: translateX(10px);
opacity: 0.5;
}
100% {
transform: translateX(10px);
opacity: 0;
}
}
@keyframes leftanime {

```

```
50% {
  transform: translateX(-10px);
  opacity: 0.5;
}
100% {
  transform: translateX(-10px);
  opacity: 0;
}
}
```

```
</style>
</head>
<body>
  <!-- Header -->
  <div class="container-fluid p-3 bg-primary text-white shadow">
    <a href="/prev" class="text-decoration-none text-white"><h1> <b>Skill-Up</b>
</h1></a>
    <div class="dropdown float-right" style="margin-top: -50px; margin-right:
50px;">
      <button type="button" class="btn bg-white text-primary dropdown-toggle fa fa-
drivers-license" data-toggle="dropdown" style="height: 40px; width: 150px;">
        <b> &nbsp; User &nbsp; &nbsp; </b>
      </button>
      <div class="dropdown-menu">
        <a class="dropdown-item" href="/MyProfile">My Profile</a>
        <div class="dropdown-divider"></div>
        <a class="dropdown-item" href="#">Logout</a>
      </div>
    </div>
  </div>
  <br>
  <br>
  <div>

    <table>
      <tr>
        <th>
          DATE
        </th>
        <th>
          JOB TITLE
        </th>
```

```

        <th>
COMPANY NAME
        </th>
        <th>
SALARY
        </th>
        <th>
        APPLY
        </th>
        <th>
        DESCRIPTION
        </th>
    </tr>
    {% for item in data %}
    <tr>
    <td>
        {{item.date}}
    </td>
    <td>
        {{item.job_title}}
    </td>
    <td>
        {{item.company_name}}
    </td>
    <td>
        {{item.salary}}
    </td>
    <td>
        <a>{{item.url}}</a>
    </td>
    <td>
        {{item.summary}}
    </td>
    </tr>
    {% endfor %}
</table>
</div>
```

```
<br>
```

```
<br>
```

```
<script>
```

```
    window.watsonAssistantChatOptions = {
        integrationID: "9ebae464-b593-4cd9-9022-c097d8f7e9c9", // The ID of this
```

integration.

region: "au-syd", // The region your integration is hosted in.

serviceInstanceID: "33512651-9be1-4d7a-8f97-b40aab4ebaf6", // 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>

</body>

</html>

### My Profile.html:

<!DOCTYPE html>

<html>

<head>

<title> My Profile </title>

<meta charset="utf-8">

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

<link rel="stylesheet"

href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css">

<script

src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.js"></script>

<script

src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script

>

<script

src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"></script>

<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>

```

<!-- <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.1.3/css/bootstrap.min.css"> -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.9.0/css/all.min.css">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<script src='https://kit.fontawesome.com/a076d05399.js'
crossorigin='anonymous'></script>
<link rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=Material+Icons">
<script src='https://kit.fontawesome.com/a076d05399.js'
crossorigin='anonymous'></script>

<link rel="icon" href="">
</head>
<body>
<div class="container-fluid p-3 bg-primary text-white shadow">
  <a href="" class="text-decoration-none text-white"><h1> <b>Skill-Up</b>
</h1></a>
  <div class="dropdown float-right" style="margin-top: -50px; margin-right:
50px;">
    <button type="button" class="btn bg-white text-primary dropdown-toggle fa
fa-drivers-license" data-toggle="dropdown" style="height: 40px; width: 150px;">
      <b>My Profile </b>
    </button>
    <div class="dropdown-menu">
      <a class="dropdown-item" href="#">My Profile</a>
      <a class="dropdown-item" href="">Application Form</a>
      <div class="dropdown-divider"></div>
      <a class="dropdown-item" href="#">Logout</a>
    </div>
  </div>
</div>
<div class="container">
  <div class="card mt-5 shadow">
    <div class="card-header bg-primary">
      <h1 class="card-title text-center"> <b>My Profile</b></h1>
      <div class="float-right " style="margin-top: -50px;">
        <button class="btn btn-default shadow text-primary">
          <span class="glyphicon glyphicon-star text-primary"></span>

```



```

        90
        </button>
    </div>
</div>
<div class="card-body bg-light">
    <form action="">
        <label for="">Name: </label>
        <input type="text" placeholder="Full name"> <br> <br>

        <label for="">Email: </label>
        <input type="email" placeholder="mail you logged in"> <br> <br>

        <label for="">Address: </label> <br>
        <textarea name="" rows="1" cols="50" maxlength="50"></textarea>
<br> <br>

        <label for="">Submit Resume: </label>
        <input type="file" name="" id="" placeholder="post your Resume">
<br>

        <button class="btn bg-primary shadow">
            Post your Resume
        </button>

    </form>
</div>
<div class="card-footer bg-primary text-white">
    <div class="card-text text-md-center">
        Take
        <a href="" class="text-white"><b>TEST</b></a>
        to increase the <span class="label label-default bg-white text-
primary">Star</span> count
    </div>
</div>
</div>
</div>
</body>
</html>

```

### Application form.html:

```
<!DOCTYPE html>
```

```

<html>
  <head>
    <title> Application Form </title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/css/bootstrap.min.css">
    <script
src="https://cdn.jsdelivr.net/npm/jquery@3.6.0/dist/jquery.slim.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.1/dist/js/bootstrap.bundle.min.js"></script>
    <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>

    <!-- <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/4.1.3/css/bootstrap.min.css"> -->
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.9.0/css/all.min.css">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
    <script src='https://kit.fontawesome.com/a076d05399.js'
crossorigin='anonymous'></script>
    <link rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=Material+Icons">
    <script src='https://kit.fontawesome.com/a076d05399.js'
crossorigin='anonymous'></script>

    <style>
      .PD{
        margin-top: 30px;
        margin-left: 75px;
        margin-right: 100px;
      }

```

```
.pdTable1 {  
    float: left;  
    /* margin: 5px; */  
    width: 50%;  
}
```

```
.pdTable1  
    td { padding:  
        10px;  
}
```

```
.pdTable2 { flo  
    at: right;  
    width: 50%;  
}
```

```
.pdTable2  
    td { padding:  
        10px;  
}
```

```
.CD {  
    margin-top: 30px;  
    margin-left: 75px;  
    margin-right: 100px;  
}
```

```
.cdTable1 { flo  
    at: left;  
    width: 50%;  
}
```

```
.cdTable1  
    td { padding:  
        10px;  
}
```

```
.cdTable2  
    { float: right;  
    width: 50%;  
    padding: 10px;  
}
```

```
}
```

```
.cdTable2 td{
```

```
padding: 10px;  
}
```

```
.QD{
    margin-top: 30px;
    margin-left: 75px;
    margin-right: 100px;
}
```

```
.qdTable1
    table{ width:
        100%;
    }
```

```
.qdTable1
    td{ padding:
        10px;
    }
```

```
.LK{
    margin-top: 30px;
    margin-left: 75px;
    margin-right: 100px;
}
```

```
.lkTable1
    input[type=checkbox]{width:
        300px;
    }
```

```
.lkTable1
    td{ padding:
        5px;
    }
```

```
.ID{
    margin-top: 30px;
    margin-left: 75px;
    margin-right: 100px;
}
```

```
.idTable1 { flo
    at: left;
    padding: 10px;
}
```

```
    width: 50%;  
}
```

```
.idTable1 td{
```

```
    padding: 10px;  
}
```

```

        .idTable2{ flo
            at: right;
            width: 50%;
        }

        .idTable2
            td{ padding:
                10px;
            }

        .SaB{
            text-align: center;
        }

    </style>
</head>

<body>
    <!-- Header -->

    <div class="container shadow mt-3">
        <h1 class="text-center text-primary font-weight-bold"> APPLICATION FORM
    </h1>
    <!--Personal Details-->
    <form name="formapp" action="{{ url_for('subapp')}}" method="post">
    <div class="PD shadow">
        <fieldset>
            <legend class="bg-primary"> <b> &nbsp; Personal Details &nbsp; </b>
        </legend>

        <div class="pdTable1">
            <table>
                <tr>
                    <td> Applicant's full Name</td>
                    <td>
                        <select name="AFM">
                            <option value=""> --Select-- </option>
                            <option value=""> Mr. </option>
                            <option value=""> Ms. </option>
                            <option value=""> Mrs. </option>
                        </select>
                    </td>
                </tr>
            </table>
        </div>
    </div>
    </form>

```

```

        <input type="text" name="yourname" id="">
    </td>
</tr>

<tr>
    <td> Father's Name</td>
    <td>
        <select name="FAN">
            <option value=""> --Select-- </option>
            <option value=""> Mr. </option>
        </select>

        <input type="text" name="fname" id="">
    </td>
</tr>

<tr>
    <td> Gender </td>

    <td>
        <label for="M"> Male </label>
        <input type="radio" name="GD">

        <label for="F"> Female </label>
        <input type="radio" name="GD">

        <label for="O"> Others </label>
        <input type="radio" name="GD">
    </td>
</tr>

<tr>
    <td> Marital Status </td>

    <td>
        <select name="MS">
            <option value=""> --Select-- </option>
            <option value=""> Married </option>
            <option value=""> Widowed </option>
            <option value=""> Separated </option>
            <option value=""> Divorced </option>
            <option value=""> Single </option>
        </select>
    </td>
</tr>

```



```

        option value=""> Not to Disclose </option>
      </select>
    </td>
  </tr>

  <tr>
    <td> Handicapped </td>

    <td>
      <label for="HN">No</label>
      <input type="radio" name="HC">

      <label for="HY">Yes</label>
      <input type="radio" name="HC">
    </td>
  </tr>

</table>
</div>

```

```

<div class="pdTable2">
  <table>
    <tr>
      <td> Care Of </td>

      <td>
        <label for="PA"> Parents </label>
        <input type="radio" name="CO">

        <label for="GR"> Guardian </label>
        <input type="radio" name="CO">
      </td>
    </tr>

    <tr>
      <td> Mother's Name </td>

      <td>
        <select name="MON">
          <option value=""> Mrs. </option>
        </select>

        <input type="text" name="mname">
      </td>
    </tr>
  </table>
</div>

```

```

        </td>
    </tr>

    <tr>
        <td> Date of Birth </td>

        <td>
            <input type="date" name="dob">
        </td>
    </tr>

    <tr>
        <td> Category </td>

        <td>
            <select name="MS">
                <option value=""> --Select-- </option>
                <option value=""> General </option>
                <option value=""> MBC </option>
                <option value=""> OBC </option>
                <option value=""> Others </option>
            </select>
        </td>
    </tr>

    <tr>
        <td> Ex-Serviceman </td>

        <td>
            <label for="SN">No</label>
            <input type="radio" name="EN">

            <label for="SY">Yes</label>
            <input type="radio" name="EN">
        </td>
    </tr>
</table>
</div>
</fieldset>
<!-- <br> <br> <br> -->
</div>

<!--Contact Details-->

```

```
<div class="CD shadow">
  <fieldset>
    <legend class="bg-primary"> <b> &nbsp; Contact Details &nbsp;
  </b></legend>
  <div class="cdTable1">
    <table>
      <tr>
        <td> Mobile Number </td>
        <td>
          <input type="text" name="mnum">
        </td>
      </tr>

      <tr>
        <td> Address Line 1 </td>
        <td>
          <input type="text" name="AL1">
        </td>
      </tr>

      <tr>
        <td> City </td>
        <td>
          <input type="text" name="CI">
        </td>
      </tr>

      <tr>
        <td> Area of interest </td>
        <td>
          <input type="text" name="domain">
        </td>
      </tr>
    </table>
  </div>

  <div class="cdTable2">
    <table>
      <tr>
        <td> Email ID </td>
        <td>
          <input type="text" name="EID">
        </td>
      </tr>
    </table>
  </div>
</div>
```

```

        </tr>

        <tr>
            <td> Address Line 2 </td>
            <td>
                <input type="text" name="AL2">
            </td>
        </tr>

        <tr>
            <td> State </td>
            <td>
                <select name="ST">
                    <option value=""> --Select--</option>
                    <option value=""> Tamil Nadu</option>
                    <option value=""> Kerla</option>
                    <option value=""> Karnataka</option>
                </select>
            </td>
        </tr>
    </table>
</div>
</fieldset>
</div>

<!--Qualification Details-->
<div class="QD shadow">
    <fieldset>
        <legend class="bg-primary"> <b> &nbsp;    Qualification Details &nbsp;   
</b></legend>
        <div class="qdTable1">
            <table>
                <tr style="font-weight: bold;">
                    <td> Sr No. </td>
                    <td> Qualification </td>
                    <td> Board/University </td>
                    <td> Passing Year </td>
                    <td> Max Marks </td>
                    <td> Marks Obtain </td>
                    <td> Percentage </td>
                </tr>

                <tr>

```

```

<td> 1 </td>
<td>
  <select name="sslc" id="edu">
    <option value=""> --Select-- </option>
    <option value=""> SSLC </option>
  </select>
</td>
<td>
  <input type="text" name="s1" id="" size="20">
</td>

<td>
  <input type="text" name="s2" id="" size="5">
</td>

<td>
  <input type="text" name="s3" id="" size="5">
</td>

<td>
  <input type="text" name="s4" id="" size="5">
</td>

<td>
  <input type="text" name="s5" id="" size="5">
</td>
</tr>

<tr>
<td> 2 </td>
<td>
  <select name="hsc" id="">
    <option value=""> --Select-- </option>
    <option value=""> HSC</option>

  </select>
</td>
<td>
  <input type="text" name="h1" id="" size="20">
</td>

<td>
  <input type="text" name="h2" id="" size="5">

```

```

        </td>

        <td>
            <input type="text" name="h3" id="" size="5">
        </td>

        <td>
            <input type="text" name="h4" id="" size="5">
        </td>

        <td>
            <input type="text" name="h5" id="" size="5">
        </td>
    </tr>

    <tr>
        <td> 3 </td>
        <td>
            <select name="bd" id="">
                <option value=""> --Select-- </option>
                <option value="">Bachelor Degree </option>
</select>

            </td>
        <td>
            <input type="text" name="b1" id="" size="20">
        </td>

        <td>
            <input type="text" name="b2" id="" size="5">
        </td>

        <td>
            <input type="text" name="b3" id="" size="5">
        </td>

        <td>
            <input type="text" name="b4" id="" size="5">
        </td>

        <td>
            <input type="text" name="b5" id="" size="5">
        </td>
    </tr>

```

```

        </table>
    </div>
</fieldset>
</div>

<!--Language Knowledge-->
<div class="LK shadow">
    <fieldset>
        <legend class="bg-primary"> <b> &nbsp; Language Knowledge </b>
&nbsp; </legend>
        <div class="lkTable1">
            <table>
                <tr style="text-align: center; font-weight: bold">
                    <td> Language </td>
                    <td> Reading </td>
                    <td> Writing </td>
                    <td> Spoken </td>
                </tr>

                <tr>
                    <td> Hindi </td>
                    <td>
                        <input type="checkbox">
                    </td>
                    <td>
                        <input type="checkbox">
                    </td>
                    <td>
                        <input type="checkbox">
                    </td>
                </tr>

                <tr>
                    <td> English </td>
                    <td>
                        <input type="checkbox">
                    </td>
                    <td>
                        <input type="checkbox">
                    </td>
                    <td>
                        <input type="checkbox">
                    </td>
                </tr>
            </table>
        </div>
    </fieldset>
</div>

```

```

        <td>
            <input type="checkbox">
        </td>
    </tr>

    <tr>
        <td> Urdu </td>
        <td>
            <input type="checkbox">
        </td>
        <td>
            <input type="checkbox">
        </td>
        <td>
            <input type="checkbox">
        </td>
    </tr>
</table>
</div>
</fieldset>
</div>

<!--Identification Details-->
<div class="ID shadow">
    <fieldset>
        <legend class="bg-primary"> <b> &nbsp; Identification Details &nbsp;
</b> </legend>
        <div class="idTable1">
            <table>
                <tr>
                    <td> Aadhar Card Number</td>
                    <td>
                        <input type="text" name="Aadhar" id="Aadhar">
                    </td>
                </tr>

                <tr>
                    <td> Upload Photo </td>
                    <td>
                        <input type="file">
                    </td>
                </tr>
            </table>
        </div>
    </div>

```



```

</div>
<div class="idTable2">
  <table>
    <tr>
      <td> PAN Card Number </td>
      <td>
        <input type="text" name="pan">
      </td>
    </tr>

    <tr>
      <td> Upload Signature </td>
      <td>
        <input type="file">
      </td>
    </tr>
  </table>
</div>
</fieldset>
</div>

<br> <br>
<!--submit & back-->
<div class="SaB">
  <input type="submit" value="Submit" class="btn bg-primary text-white">
</div> <br><br>
</div>
<br> <br>
</form>
</body>

</html>

```

## GitHub & Project Demo Link

GitHub: <https://github.com/IBM-EPBL/IBM-Project-45341-1660729543>

Demo link:

<https://drive.google.com/file/d/112hFx9ExZMSk3idyirgVaLXUBl6uaQtH/view?usp=sharing>