



INTEGRATED PLACEMENT AND SCHOLARSHIP CAREER PORTAL FOR STUDENTS AND GRADUATES

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Student, Student, Student, Student

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Abstract: Every year, over 60 million Indian graduates from diverse educational backgrounds enter colleges in pursuit of various academic paths to enhance their employability. The objective is to establish a unified platform facilitating access to both national and international scholarships, job alerts, certification courses, and related opportunities tailored to individual preferences. Currently, the absence of a centralized information hub necessitates students to manually scour multiple websites for details on certifications, scholarships, internships, and courses, resulting in wasted time and effort and potentially missed opportunities. Rectifying this issue entails the creation of a real-time data management system continuously updated with the latest offerings in scholarships, job alerts, internships, and more.

For instance, within job alerts, users can expect tailored notifications from reputable companies on their dashboard based on parameters such as skill sets, location, and company requirements. Similarly, in the realm of scholarships, students seek opportunities based on merit, skills, and income levels. Centralizing scholarship information would empower deserving students to excel further. As technology and market opportunities expand, access to scholarships becomes more crucial, yet fragmented data sources make this process cumbersome. By consolidating this information on a single platform, students are incentivized to enhance their qualifications to secure scholarships, certifications, job alerts, and course recommendations efficiently.

Keywords: Certification, Scholarship, Internship and Course

I. INTRODUCTION

Every year, over 60 million Indian graduates from diverse educational backgrounds enter colleges with the aim of acquiring skills to enhance their job prospects. The objective is to develop a unified platform for disseminating national and international scholarships, job alerts, certification courses, and related opportunities based on individual preferences. Currently, students are burdened with the task of manually scouring multiple websites for information on certifications, scholarships, internships, and courses, resulting in wasted time and effort, and possibly missing out on crucial opportunities. By addressing this challenge, we can streamline the process by providing essential information on a single portal, reducing the time required for such tasks and ensuring that deserving students do not miss out on significant opportunities. This initiative would involve real-time data management, continuously updated with the latest offerings in scholarships, job alerts, internships, and more. For instance, job alerts tailored to users' preferences, such as skill sets, location, and company requirements, would be displayed on their dashboard. Similarly, scholarships would be categorized based on merit, skills, income, etc., enabling students to excel further with financial support. Despite the increasing availability of scholarships due to advancements in technology and market trends, the information remains scattered. Consolidating this data onto a single platform would empower students to enhance their merit and access scholarships, certifications, job alerts, and course recommendations more efficiently.

1.1 Aim of the Project

The aim is to create an integrated platform for sending job alerts, certifications and similar works, addressing this problem will give us the ability to easily identify students, graduates and colleges so that the time to do the task is cut short and deserving students may not lose out on the important opportunities and similar things if there is one point of viewing the entire data. The web application would be used for scraping various scholarship, certification, and other educational information is to provide users with a centralized platform where they can access them from multiple sources without having to visit each website or any other portal manually. This can save users time and effort by streamlining the process of finding relevant educational information, such as scholarship opportunities, certification requirements, and other resources to make educational information more accessible and convenient for users and ultimately empowering them to achieve their academic and professional aspirations

1.2 Feasibility Study

Feasibility means to determine whether the system is feasible to carry out or not.

We have analyzed following type of feasibility:

The Proposed System is Economically Feasible, because the Benefits Are: • The development costs of the system will depend on the complexity of the application, the expertise of the developers, and the time required to build the application. These costs can vary widely depending on the size and complexity of the application. We will be collecting considerable amount of data which may need to use a cloud-based server or a dedicated server to handle the traffic. This can come with additional hosting costs, such as server rental, bandwidth fees, and other related expenses. Overall, we have concluded it is economically feasible to create such a system.

1.3 Existing System

There are many educational portals and job alert websites available today that serve as a valuable resource for students, job seekers by providing various information such as national, international and scholarships, Job vacancies in various companies, upcoming certification courses etc. through their individual online portals. However, these platforms also have some limitations that can impact their effectiveness. Some portals may require fees or membership to access certain scholarship details. This can create barriers for students who may not have the financial resources to pay for access to multiple portals. Additionally, some portals may have restrictions based on geographical location, academic level, or other factors, which can limit the opportunities available to students.

1.4 Need for New System

In the current system, the absence of a centralized platform for educational resources, including scholarship details and job alerts, poses disadvantages for students and graduates. One major drawback is the time-consuming and confusing nature of navigating multiple platforms. Students are required to create accounts and profiles on various portals, leading to information overload and wasted time. Moreover, students may overlook scholarship opportunities if they are unaware of all available portals and databases. Another issue is the inconsistency and lack of up-to-date information across different portals. Conflicting information and outdated content can confuse and frustrate students. Additionally, portals may not always be promptly updated with the latest scholarship opportunities, deadlines, and eligibility criteria, resulting in students missing out on valuable chances.

II. METHODOLOGY

2.1 Requirements Gathering:

The initial phase involves collecting requirements for the portal through surveys, interviews, and focus groups with college students and faculty members. The objective is to pinpoint the essential features and functionalities that cater to the target audience's needs, encompassing networking, job postings, club and organization directories, and campus resources.

2.2 Design and Development:

Descriptive statistics have been employed to analyze the data in this study, including determining the maximum, minimum, standard deviation, and mean, as well as assessing the normal distribution of variables. A normal distribution indicates that the variables are responsive to periodic changes and speculation. Conversely, when data does not exhibit a normal distribution, it suggests sensitivity to periodic changes and speculation, thereby increasing the likelihood of arbitrage opportunities where investors can earn profits above the norm. However, the Arbitrage Pricing Theory (APT) assumes the absence of arbitrage in the market, with investors capable of earning only normal profits. The Jarque-Bera test is utilized to assess the normality of the data.

2.3 Testing:

A thorough testing phase follows to verify that the portal functions as intended and is free of bugs. It includes rigorous testing in functional, performance, and security aspects. A specialized team of testers is tasked with identifying and resolving any issues encountered during testing.

2.4 Deployment:

Upon successful completion of testing, the portal is deployed to a production environment. This involves configuring the portal for the target platform, such as iOS or Android, and ensuring compatibility across various devices. The deployment process is meticulously managed to minimize downtime and ensure prompt availability of the portal to users.

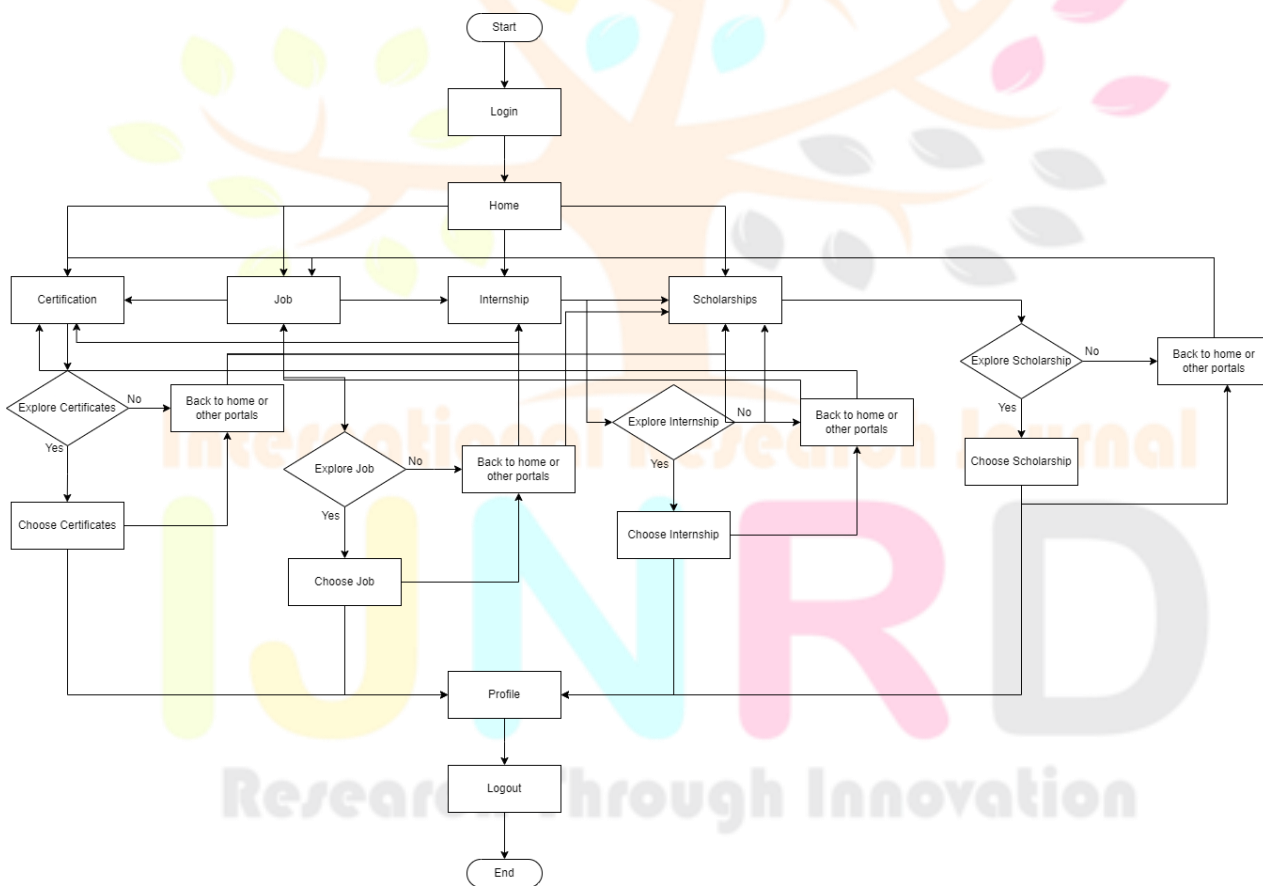
III. MODELING AND ANALYSIS

3.1: Flowchart of System

The user initiates the process by logging into the system, which directs them to the home page upon successful login. From there, they have access to different sections such as the dashboard, user profile, and settings page. They can then explore various features including certifications, jobs, internships, and scholarships. Upon selecting to explore scholarships, additional options are presented, including the ability to filter scholarships based on criteria such as stipend amount and data source.

Following exploration of certificates, internships, or jobs, the user can choose to further refine their search results by applying filters based on the data source or proceed to select a specific certificate, internship, or job. They also have the option to return to the home page or other portals. Once a certificate, internship, or job is selected, the process concludes.

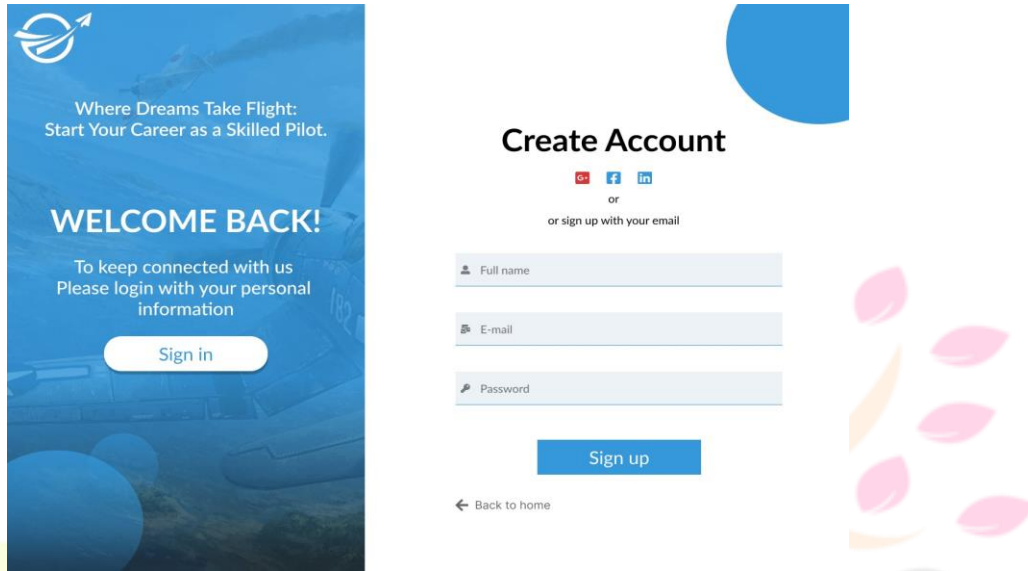
Furthermore, users are provided with the capability to access their profiles and log out from the system. This flowchart outlines the functionalities of the web application, primarily catering to users interested in career or educational prospects. The inclusion of filters enhances the user experience by allowing them to refine search results based on specific criteria, thus simplifying the process of finding opportunities that match their preferences and needs.



IV. RESULTS AND DISCUSSION

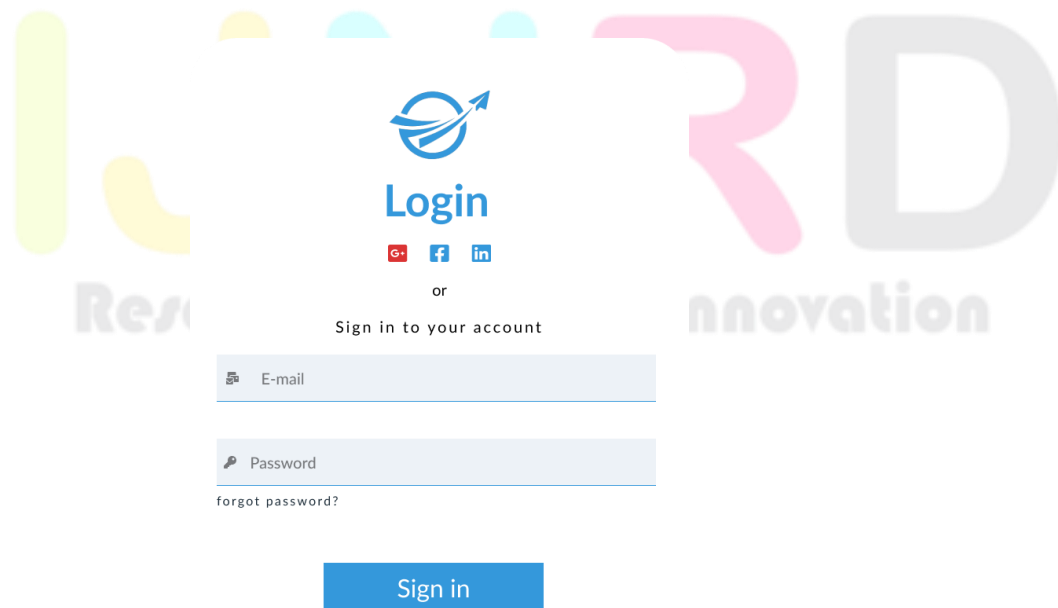
4.1: Registration Page

The Sign-Up page serves as a gateway for users with existing accounts to access the website's features. It requests users to input their email address and password, the necessary credentials for logging in. Additionally, a "Back to Home" button is available, allowing users to return to the website's main page if they choose not to log in immediately. Registration is necessary for accessing and applying for scholarships, internships, and other opportunities.



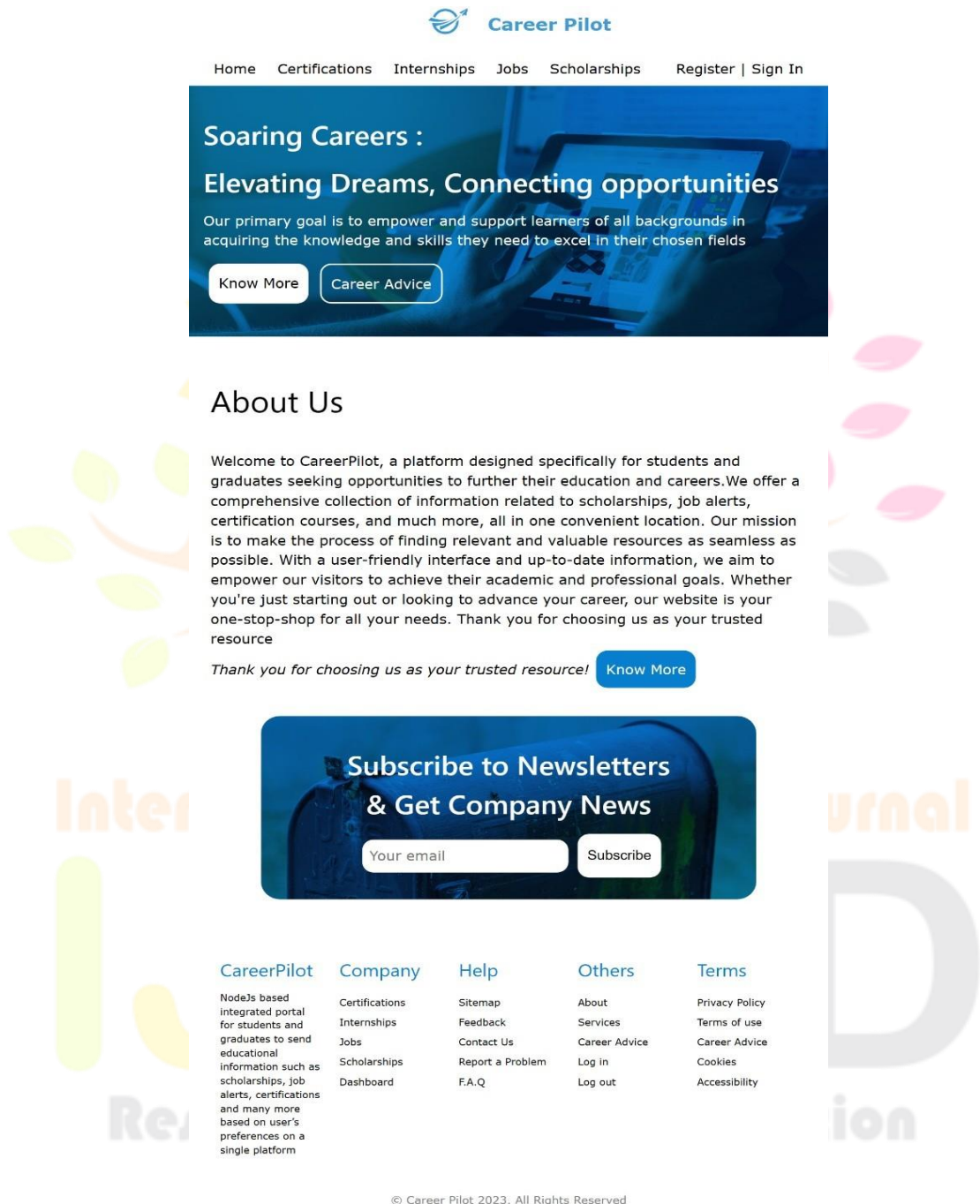
4.2: Login Page

The displayed image showcases a login interface for a web application, enabling authorized users to enter the system by providing their credentials. The page prominently features the word "Login" at the top and offers two input fields: one for the email address and another for the password. For users who need help recovering their login details, a "Forgot Password?" link is available. Concluding the interface is a prominent button labeled "Sign In," enabling users to submit their information for verification and access the features of the web application.



4.3: Home Page

The website aims to empower and assist users in acquiring the knowledge and skills necessary for success in their chosen fields. The homepage features a banner displaying the text “Soaring Careers: Elevating Dreams, Connecting Opportunities.” Beneath the banner, a menu bar provides links to different sections of the website, including “Home,” “Certifications,” “Internships,” “Jobs,” “Scholarships,” and “Register | Sign In.” In the main body of the homepage, information is provided about the website’s purpose and the services it offers. It describes the platform as tailored for students and graduates seeking opportunities to advance their education and careers. The text emphasizes the website’s extensive array of information concerning scholarships, job alerts, certification courses, and more.



4.4: Certification page

Users have the capability to browse and search for certifications across different fields. Positioned at the top of the page, a search bar enables users to input keywords relevant to the certifications they seek, like “Python.” Beneath the search bar, users can utilize filters to refine their search results. These filters may include options to sort by price or rating, as well as to specify the source of the certification. Search results are presented in a list format, containing details such as the course name, cost, start date, source, and a “View” button for additional information.

Career Pilot Home Certifications Internships Jobs Scholarships Logout

Certifications

Explore Endless Opportunities: Your Gateway to Career Success

python [Search Certifications](#) [Clear](#)

Top Services

Show from Top Companies

Top Locations

Online

Course Name : Learn Python
Cost : \$95.00
Start Date : Immediately
Source : W3Schools
[View](#)

Course Name : Build Modern Python Apps using AWS
Cost : \$55.00
Start Date : Immediately
Source : W3Schools
[View](#)

Course Name : Learn Numpy
Cost : \$45.00
Start Date : Immediately
Source : W3Schools
[View](#)

Research Through Innovation

4.5: Job Page

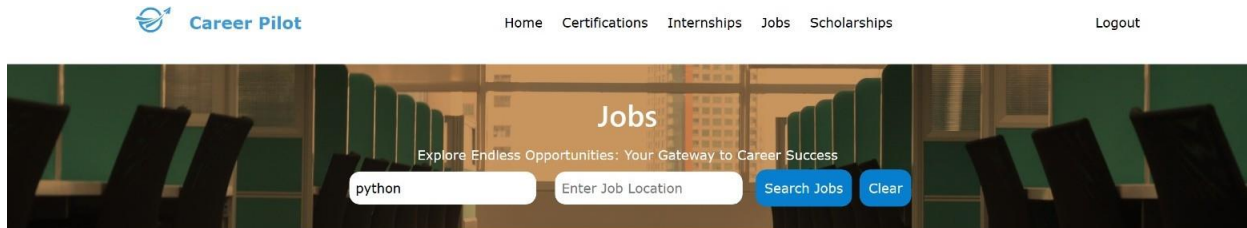
The platform provides users with the capability to search for job openings. Here are the main features:

Search bar: Positioned at the top of the page, users can input keywords relevant to their desired jobs into the search bar.

Filters: Located on the left side of the page, users can utilize filters to refine their search results based on various criteria. These may include location, job type (full-time, part-time, etc.), and date posted.

Sorting options: Users have the ability to sort job listings by relevance or date posted, with these options displayed at the top of the search results.

Job listings: Search results are displayed in a list format, typically containing details such as the job title, company name, location, and a brief description.



Job Based on field



Top Services

Show/Hide JobRapido Posting

Show/Hide LinkedIn Posting

Top Locations

Work from office

Hybrid

Remote/WFH

Company Name : CN Solutions
 Job Title : python Developer
 Job Posted : 1 month ago
 Job Location : Bengaluru, Karnataka, India [View Details](#) [Apply](#)

Company Name : Tech Mahindra
 Job Title : Python developer
 Job Posted : 3 weeks ago
 Job Location : Bengaluru, Karnataka, India [View Details](#) [Apply](#)

Company Name : NxtWave
 Job Title : Nxtwave - Associate - Student Engagement - West
 Job Posted : 2 weeks ago
 Job Location : Mumbai, Maharashtra, India [View Details](#) [Apply](#)

4.6: Internship Page

The banner encourages users to "Explore Internship Opportunities." A search bar enables users to target specific internships using keywords. Filters positioned on the left side of the page further refine results by location, category (e.g., marketing, engineering), and type (paid/volunteer). Internship listings provide details such as title, company name, and location. Clicking on a listing may lead users to a detailed page containing additional information and application details. This platform empowers users to discover internships that align with their career objectives.

Internships
Explore Endless Opportunities. Your Gateway to Career Success

Looking for? [Search Internships](#) [Clear](#)

Internship Based on field

- Engineering
- Digital Marketing
- Business
- Software Developer
- Data Science
- Law

Stripend

Min Salary

Max Salary

[Filter](#)

Top Services

[Show/Hide Internshala Posting](#)

[Show/Hide LinkedIn Posting](#)

Top Locations

Work from office

Hybrid

Remote/WFH

- Company Name : Online Front
Job Title : Search Engine Optimization (SEO)
Stripend : ₹ 2,000 /month
Internship Location : Delhi [View Details](#) [Apply](#)
- Company Name : The Prospera Web
Job Title : .NET Development
Stripend : ₹ 3,000 /month
Internship Location : Work From Home [View Details](#) [Apply](#)
- Company Name : MPY TECHNOLOGIES
Job Title : Backend Development
Stripend : ₹ 5,000-10,000 /month
Internship Location : Work From Home [View Details](#) [Apply](#)
- Company Name : Radionics Technology
Job Title : .NET Development
Stripend : ₹ 5,000-10,000 /month
Internship Location : Work From Home [View Details](#) [Apply](#)
- Company Name : Bairaj Shah Technologies
Job Title : Trainee Development
Stripend : ₹ 5,000 /month
Internship Location : Gurgaon [View Details](#) [Apply](#)
- Company Name : Saltocorp
Job Title : XR Development
Stripend : ₹ 21,000 lump sum
Internship Location : Work From Home [View Details](#) [Apply](#)
- Company Name : CODE DADDY
Job Title : Telecalling
Stripend : ₹ 5,000 /month
Internship Location : Delhi [View Details](#) [Apply](#)
- Company Name : Digicon Lakes
Job Title : C# .NET Development
Stripend : ₹ 8,000-12,000 /month
Internship Location : Mumbai [View Details](#) [Apply](#)

4.7: User Account

The account page presents a user's account information and settings. Here's a breakdown of its elements:

Account: Positioned at the top of the page, the text "Account" indicates the section's purpose.

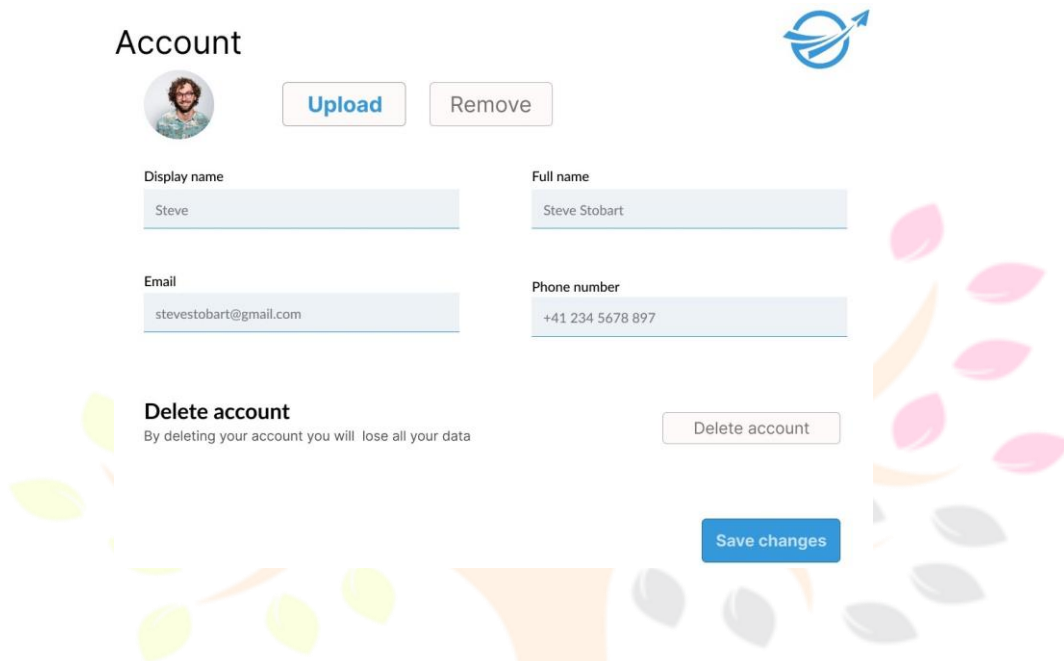
Display Name and Full Name: Two fields labeled "Display Name" and "Full Name" contain the user's chosen display name and their full legal name, respectively.

Email and Phone Number: The user's email address and phone number are listed under "Email" and "Phone number" sections.

Delete Account: A red button labeled "Delete Account" is prominently displayed. Clicking this button would likely result in the permanent deletion of the user's account and associated data. A warning message typically appears before allowing the user to confirm account deletion to prevent accidental deletion.

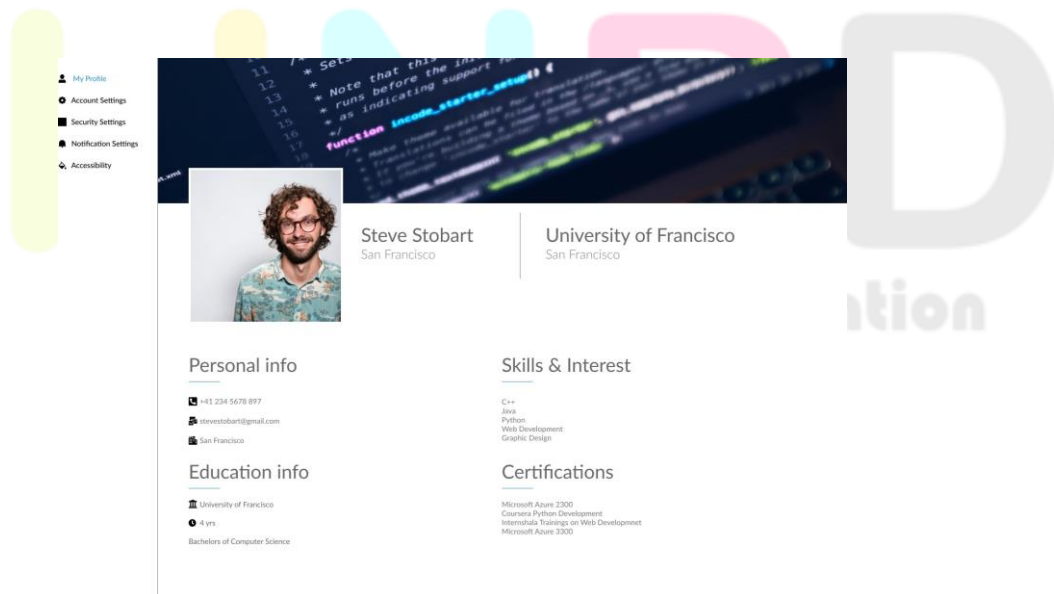
Save Changes: A blue button labeled "Save Changes" is also visible. Clicking this button likely saves any changes made to the user's profile information.

Overall, this account page enables users to view and potentially modify their account information within the web application.



4.8: User Profile

The page showcases personal details and settings for a user identified as Steve Stobart, presumably affiliated with the University of San Francisco. Sections titled "Personal info" and "Education info" feature contact details and educational history. Additional sections such as "Skills & Interest" and "Certifications" enable users to highlight their competencies and qualifications. Buttons labeled "Profile" and "Logout" are also present, providing options for managing profile information and logging out of the application.



V. CONCLUSION

In brief, our NodeJS-powered career portal transforms the opportunity search process with its centralized platform for discovering jobs, internships, and certification courses. The benefits of our application are extensive. Firstly, it saves users significant time and effort by eliminating the need to visit multiple websites individually. Through our centralized platform, users gain access to a diverse range of opportunities in one convenient location, thus enhancing the efficiency of their search process. Our application features a user-friendly interface, robust security measures, and powerful functionalities, enabling users to effortlessly explore and apply for relevant opportunities. By integrating advanced filters, users can refine their search based on various criteria such as location, industry, and experience level, facilitating the discovery of tailored opportunities promptly and efficiently. Furthermore, our continuous data scraping ensures that the information on our website remains current and precise, empowering users to remain ahead of the competition and maximize their chances of securing relevant opportunities ahead of others.

VI. REFERENCES

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