

BRECW Jobway

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Abstract

Campus placement, or campus recruitment, is essential for bridging the gap between academia and the workforce, but traditional processes are often inefficient, time-consuming, and prone to errors. To address these challenges, a web-based Campus Placement Management System is proposed, offering a unified digital platform for students, employers, placement officers, and alumni. This system features dedicated logins for students, companies, and administrators, streamlining the placement process. Students can create profiles, upload academic details, and explore job opportunities, while companies can access student resumes and post vacancies. The placement officer benefits from centralized management, and the admin ensures compliance with college placement policies by moderating content. This solution aims to enhance the efficiency, transparency, and effectiveness of campus recruitment. This unified platform fosters collaboration, improves efficiency, and simplifies the campus recruitment process.

INTRODUCTION

The "BRECW JOBWAY" web application aims to streamline the campus recruitment process by developing a user-friendly digital platform that connects students from higher educational institution with recruiters. This integrated platform will facilitate efficient communication, data management, and recruitment processes. Students will be able to create and manage profiles, upload resumes, and participate in recruitment activities,

while the educational institution can organize placement drives and manage recruiter engagement seamlessly, creating a centralized and efficient system for both students and recruiters. This platform ensures that the entire recruitment process is digitized, eliminating manual inefficiencies and enabling real-time updates for all companies.

Proposed System

This web application can be used as an application for the placement officer of the college to manage the student information with regards to placements. A profile for each student is created with the necessary credentials for the portal. The system uses database management and will sort the data of the student based on eligibility criteria demanded by the respective companies.

LITERATURE SURVEY

Smith (2022) highlights the importance of interlinked digital platforms in enhancing campus placements. The study discusses how centralized systems allow recruiters to access student profiles, track applications, and conduct virtual interviews. The research also points out challenges related to data security, system downtime, and adapting to dynamic hiring trends. Smith concludes that cloud-based solutions and blockchain technology can enhance the security and transparency of such systems.

Shah (2023) focuses on the adoption of interlinked platforms in Indian universities. The study emphasizes how digital recruitment systems bridge

the gap between students and recruiters, making the hiring process more efficient and less time-consuming. Shah also highlights the role of automation in resume filtering and AI-driven job recommendations, which significantly improve placement success rates. However, the study also identifies the need for better internet accessibility in rural institutions to ensure inclusivity.

Kumar (2016) explores the evolution of training and placement management through digital platforms. The research suggests that online systems provide structured assessments, real-time student data management, and automated application tracking, improving overall recruitment efficiency. The study further discusses how incorporating machine learning algorithms can help predict candidate success rates based on historical placement data. However, Kumar warns that poor implementation of such systems can lead to inefficiencies and technical failures, making proper system design and maintenance crucial.

Mehta (2021) examines the impact of web-based placement portals on institutional reputation and student career outcomes. The study reveals that colleges with streamlined digital platforms tend to have higher placement statistics and better recruiter engagement. Mehta stresses the importance of real-time dashboards for both students and administrators, enabling better tracking of applications and drive outcomes. However, the paper also notes technical issues such as scalability, lack of intuitive UI/UX, and poor integration with third-party job boards.

Rao and Singh (2020) analyze the implementation of cloud-based training and placement systems in government engineering colleges. Their research finds that cloud infrastructure significantly reduces the burden on physical infrastructure while improving data accessibility for stakeholders.

METHODOLOGY

The development of the **BRECW Job Way** campus recruitment management system follows a structured methodology to ensure smooth integration of all modules and user roles. The project is developed using **XAMPP** as the server environment, **PHP** as the server-side scripting language, **HTML** and **CSS** for frontend design, and **SQL** for database operations.

2.1 Requirement Analysis

In this phase, the requirements of all the users involved in the placement process are gathered and analyzed. The main users of the system are:

- **Students:** To register, upload resumes and certificates, view and apply for drives.
- **HR:** To post job drives and view student applications.
- **Placement Officer (Admin):** To manage HRs, monitor drive statistics, and view student applications.

2.2 System Design

A modular design is followed for ease of development and maintenance.

2.2.31 Architecture Overview:

- **Frontend:** HTML and CSS are used to design the user interface.
- **Backend:** PHP is used for server-side scripting and handling user requests.
- **Database:** SQL (via MySQL) is used to store and manage data.
- **Server Environment:** XAMPP (includes Apache, MySQL, PHP, and phpMyAdmin) is used as the local development and testing platform.

Module-wise Design:

Student Module:

- Registration and login.

- Profile update and resume upload.
- View available drives and apply.
- View results of applied drives.

HR Module:

- Login with credentials provided by the admin.
- Post new job drives (drive name, date, role, etc.).
- View list of student applications.
- Update selection results.

Placement Officer Module (Admin):

- Manage HR .
- View all drives posted and student applications.
- Generate reports and analytics (e.g., number of drives, applications received).

Database Design

The database is created using **MySQL** and managed via **phpMyAdmin** in **XAMPP**.

Database Tables:

- registration – stores student details.
- hr – stores HR login credentials and company info.
- drives – stores job drive details.
- applications – maps students to the drives they have applied for.
- certifications – stores uploaded certificate details.
- resume_uploads – stores file paths of uploaded resumes.

Implementation

The system is implemented using the following technologies:

- **HTML/CSS:** For creating responsive web pages and styling.
- **PHP:** For backend logic like handling forms, login sessions, validations, and database interactions.
- **SQL:** For creating and managing databases, writing queries to fetch, insert, and update data.
- **XAMPP:** As a local server stack that enables Apache and MySQL to run the PHP application.

Testing

The system undergoes thorough testing at different stages:

- **Unit Testing:** To verify that each module (e.g., student registration, HR login) works independently.
- **Integration Testing:** To ensure that modules interact correctly (e.g., student applying to a drive posted by HR).
- **User Interface Testing:** To verify that the interface is user-friendly and accessible on various browsers.
- **Database Testing:** To ensure data integrity and prevent issues like duplicate entries.

Deployment

Initially, the system is deployed and tested on a **local XAMPP server**. After successful testing, it can be hosted on a web server for real-time use by students, HRs, and placement officers.

Maintenance

The system is designed to be scalable and maintainable. Regular updates can be made by modifying PHP files and managing the database through phpMyAdmin

RESULTS

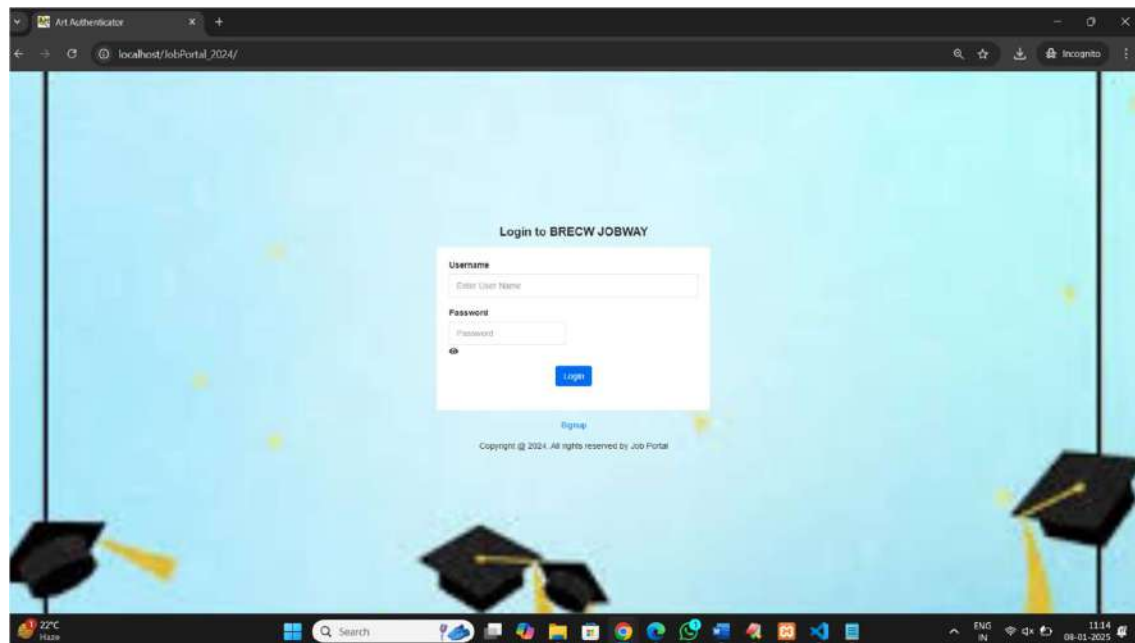


Fig Login page

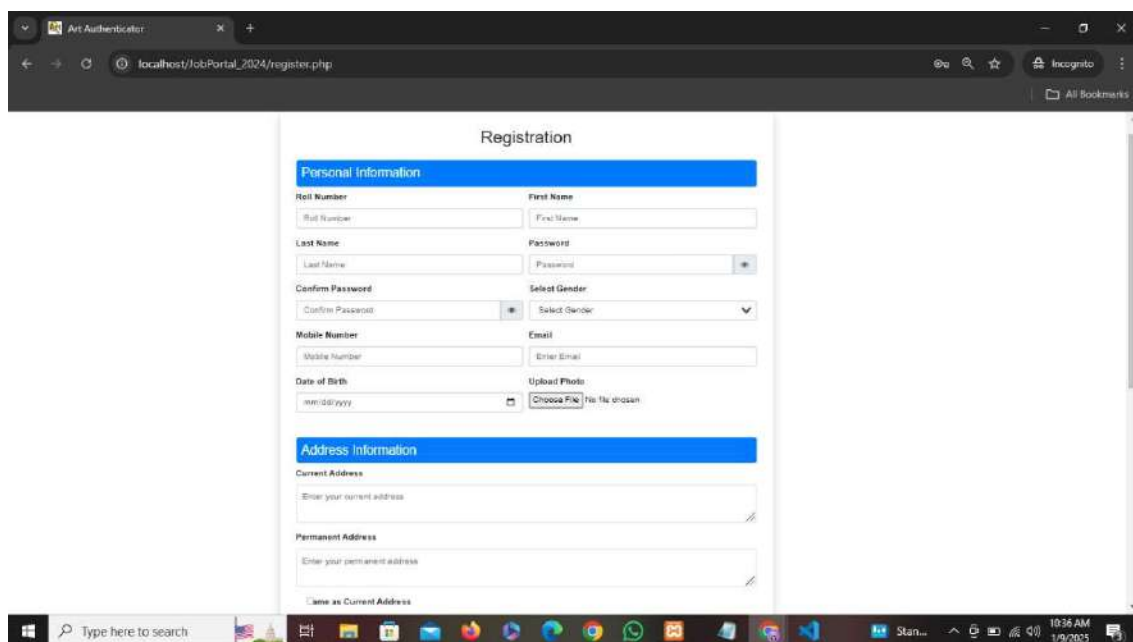
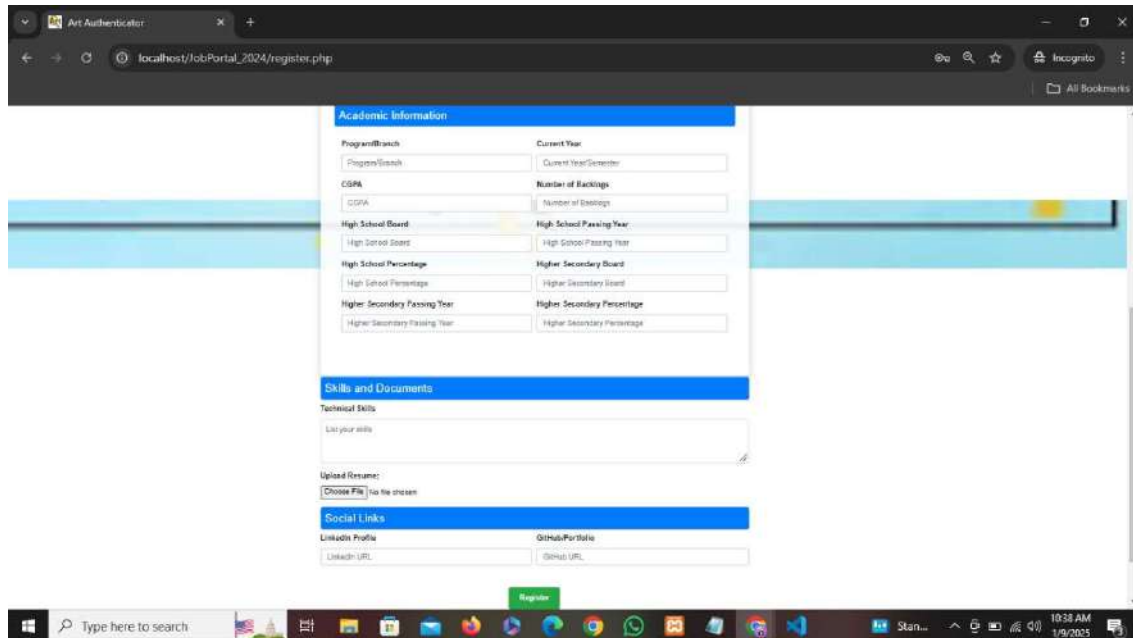


Fig 2 Registration Page



The screenshot shows a web browser window with the URL `localhost/jobPortal_2024/register.php`. The page is titled "Academic Information" and contains several input fields for registration. The fields are organized into two columns:

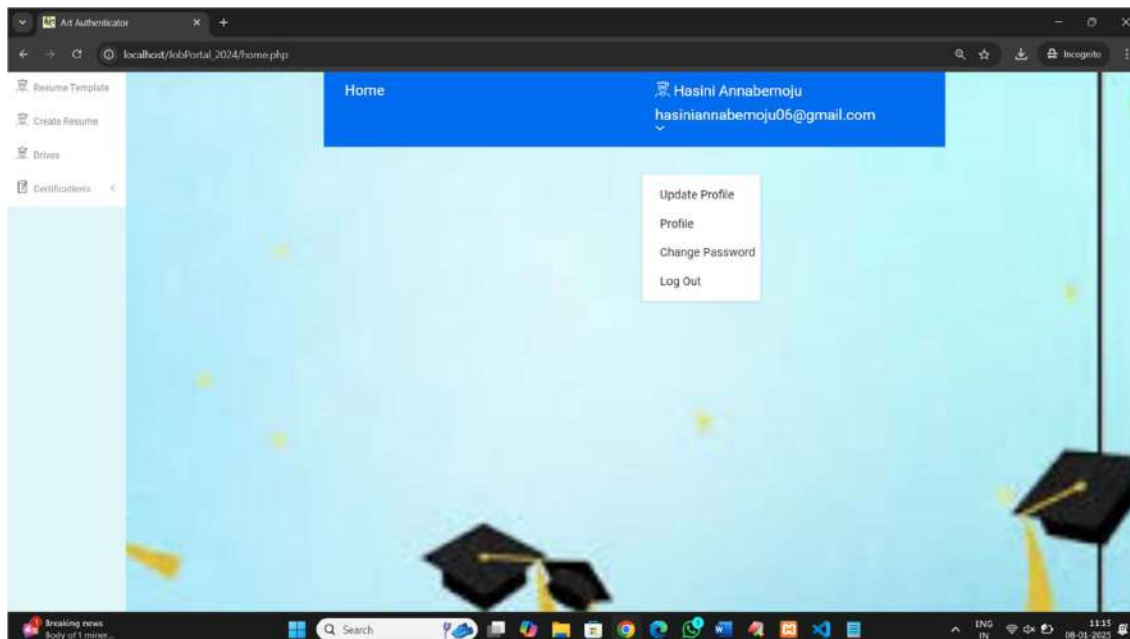
- Program/Branch:** A dropdown menu.
- Current Year:** A dropdown menu.
- CGPA:** A text input field.
- Number of Backlogs:** A text input field.
- High School Board:** A dropdown menu.
- High School Passing Year:** A text input field.
- High School Percentage:** A text input field.
- Higher Secondary Board:** A dropdown menu.
- Higher Secondary Passing Year:** A text input field.
- Higher Secondary Percentage:** A text input field.

Below the academic information, there is a section titled "Skills and Documents" with a text area for "List your skills" and a button for "Upload Resume".

At the bottom, there is a section titled "Social Links" with input fields for "LinkedIn Profile", "GitHub Profile", "LinkedIn URL", and "GitHub URL".

A green "Register" button is located at the bottom center of the form.

Fig .3 Registration Page



The screenshot shows a web browser window with the URL `localhost/jobPortal_2024/home.php`. The page is titled "Home" and displays the user's profile information:

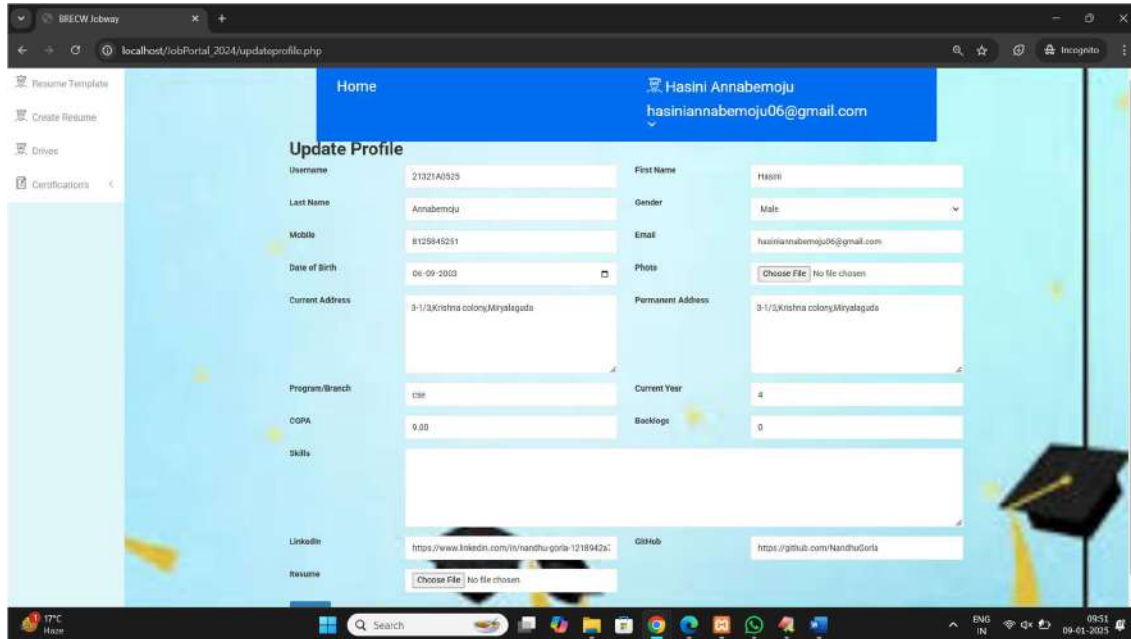
- Hasini Annabemoju**
- hasiniannabemoju05@gmail.com**

A dropdown menu is open, showing the following options:

- Update Profile
- Profile
- Change Password
- Log Out

The background of the page features a blue sky with yellow stars and a graduation cap.

Fig 4 Student Home page



Update Profile

Username: 21021A0525

Last Name: Annabemoju

Mobile: 8125845251

Date of Birth: 06-09-2003

Current Address: 9-1/3,Krishna colony,Mylabaguda

Program/Branch: CSE

CGPA: 9.00

Skills:

LinkedIn: <https://www.linkedin.com/in/handhu-goria-1218942a/>

Resume: Choose File No file chosen

First Name: Hasini

Gender: Male

Email: hasiniannabemoju06@gmail.com

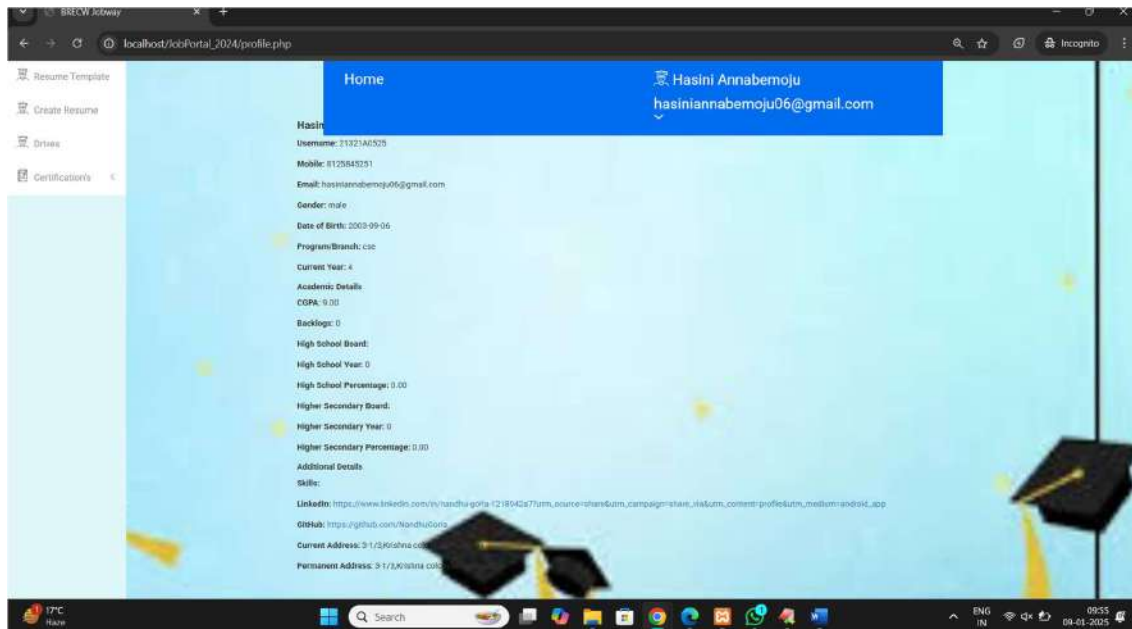
Photo: Choose File No file chosen

Permanent Address: 9-1/3,Krishna colony,Mylabaguda

Current Year: 4

Backlogs: 0

Fig 5 Update Profile



Student Profile

Hasini Annabemoju

hasiniannabemoju06@gmail.com

Username: 21021A0525

Mobile: 8125845251

Email: hasiniannabemoju06@gmail.com

Gender: male

Date of Birth: 2003-09-06

Program/Branch: cse

Current Year: 4

Academic Details

CGPA: 9.00

Backlogs: 0

High School Board:

High School Year: 0

High School Percentage: 0.00

Higher Secondary Board:

Higher Secondary Year: 0

Higher Secondary Percentage: 0.00

Additional Details

Skills:

LinkedIn: https://www.linkedin.com/in/handhu-goria-1218942a77um_source=share&utm_campaign=share_has&utm_content=profile&utm_medium=social_app

Github: <https://github.com/handhuGoria>

Current Address: 9-1/3,Krishna colony,Mylabaguda

Permanent Address: 9-1/3,Krishna colony,Mylabaguda

Fig 6 Student Profile

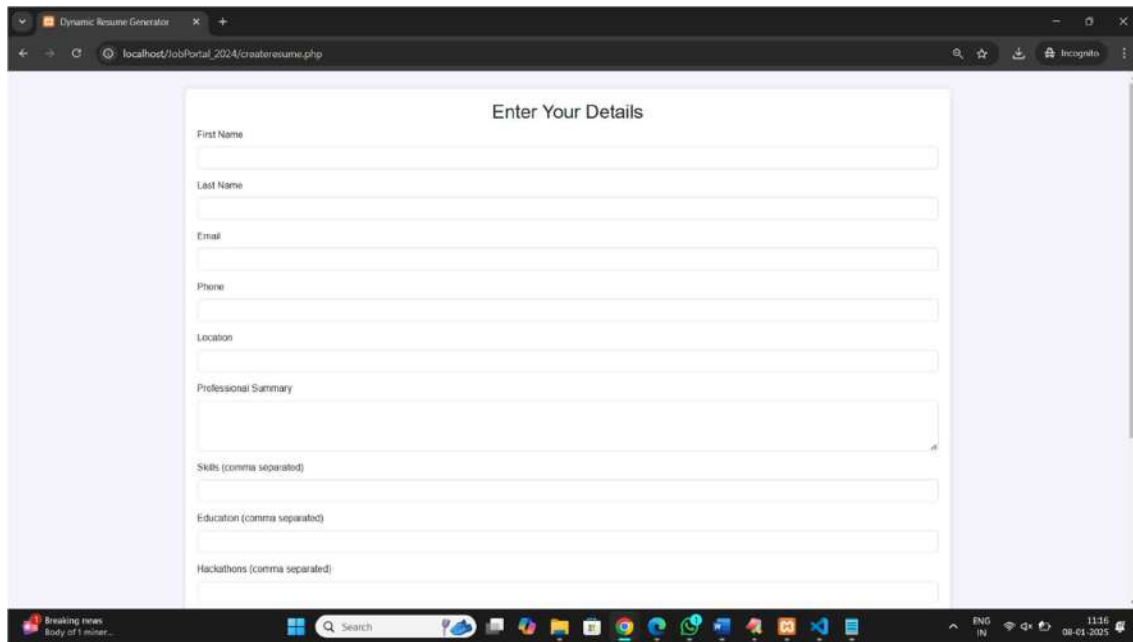
This screenshot shows the 'Enter Your Details' form in a web browser. The form is titled 'Enter Your Details' and contains several input fields: First Name, Last Name, Email, Phone, Location, Professional Summary, Skills (comma separated), Education (comma separated), and Hackathons (comma separated). The browser window is titled 'Dynamic Resume Generator' and the URL is 'localhost/jobPortal_2024/createresume.php'. The Windows taskbar at the bottom shows the date as 08-01-2025 and the time as 11:16.

Fig 7 Create Resume

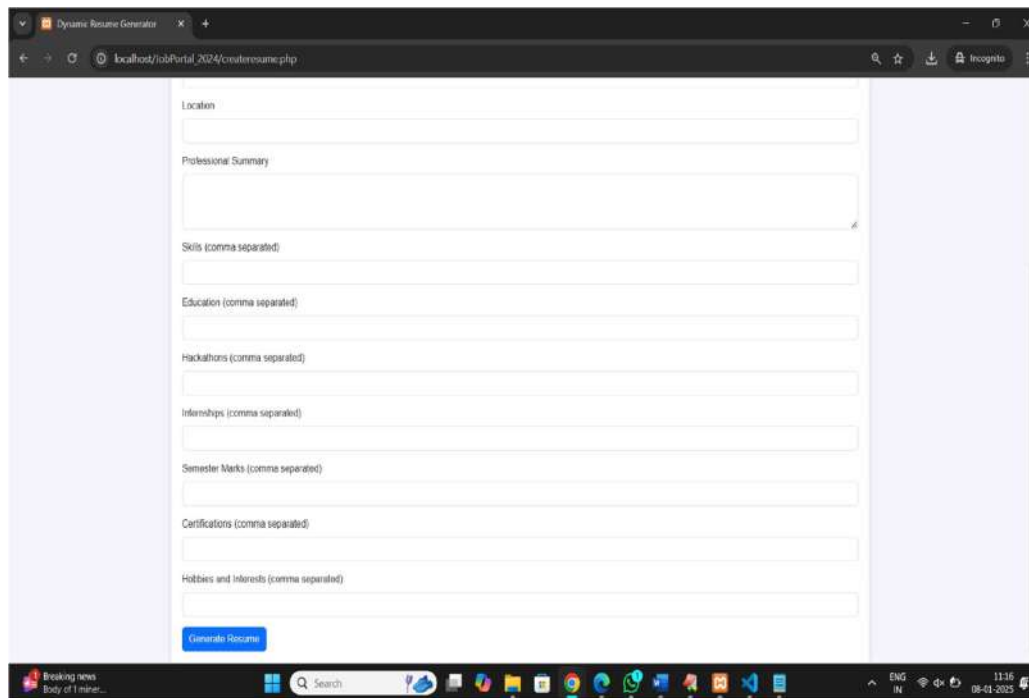
This screenshot shows the 'Generate Resume' form in a web browser. The form is titled 'Generate Resume' and contains several input fields: Location, Professional Summary, Skills (comma separated), Education (comma separated), Hackathons (comma separated), Internships (comma separated), Semester Marks (comma separated), Certifications (comma separated), and Hobbies and Interests (comma separated). There is a 'Generate Resume' button at the bottom. The browser window is titled 'Dynamic Resume Generator' and the URL is 'localhost/jobPortal_2024/createresume.php'. The Windows taskbar at the bottom shows the date as 08-01-2025 and the time as 11:16.

Fig 8 Create resume

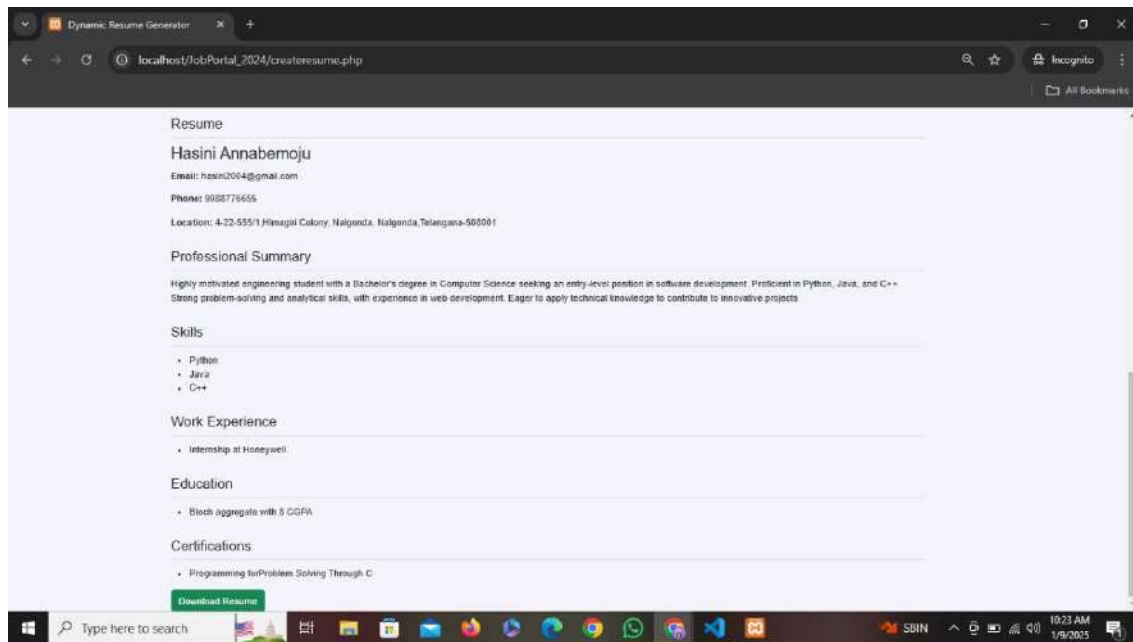


Fig 9 View Resume

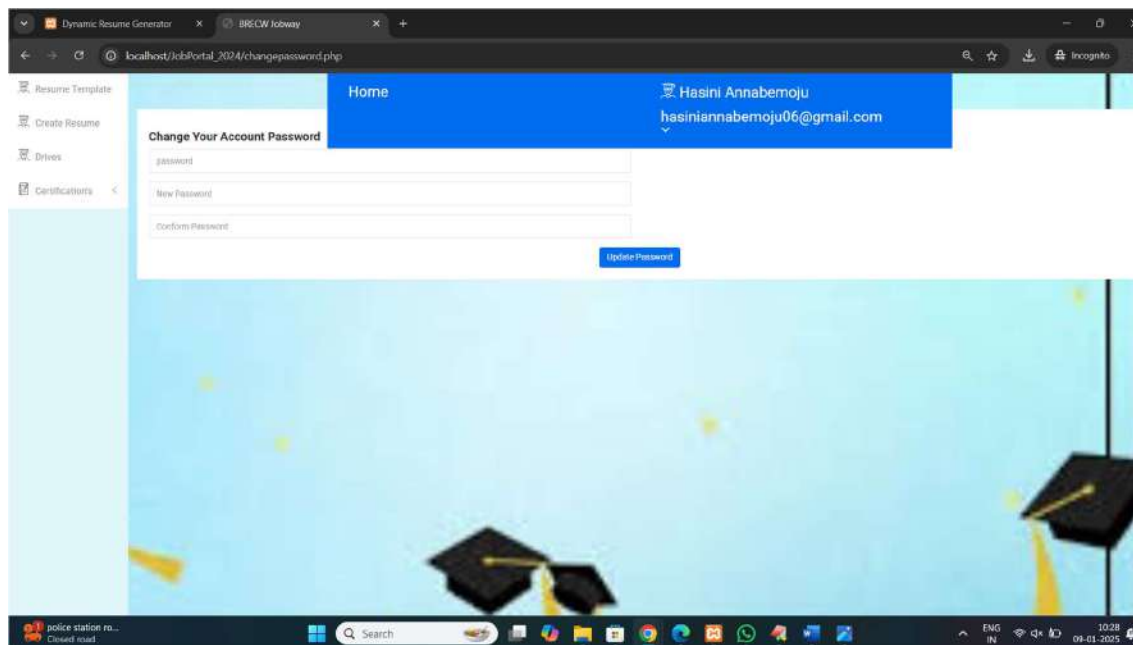


Fig 10 Change Password

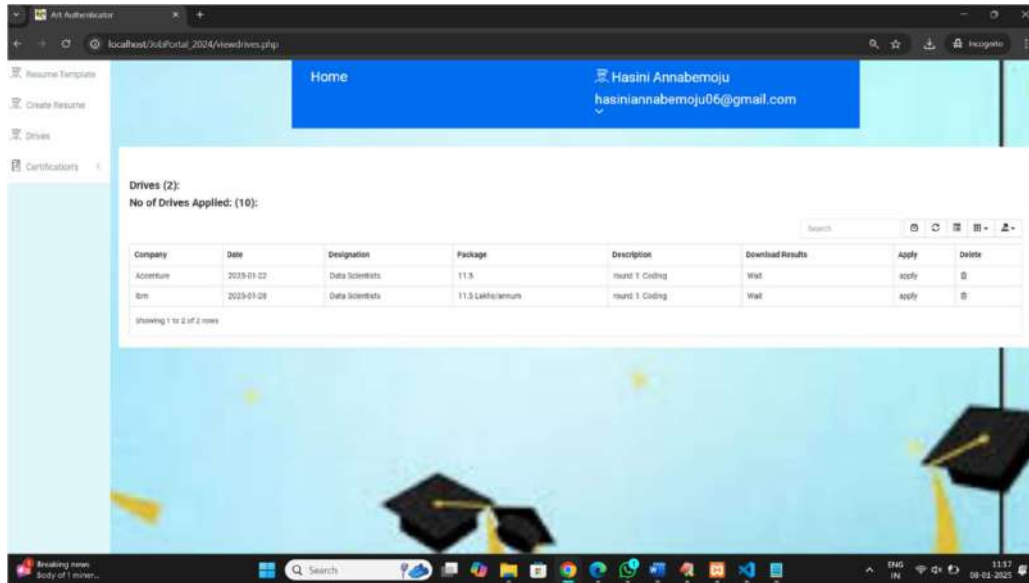


Fig 11 View Drives

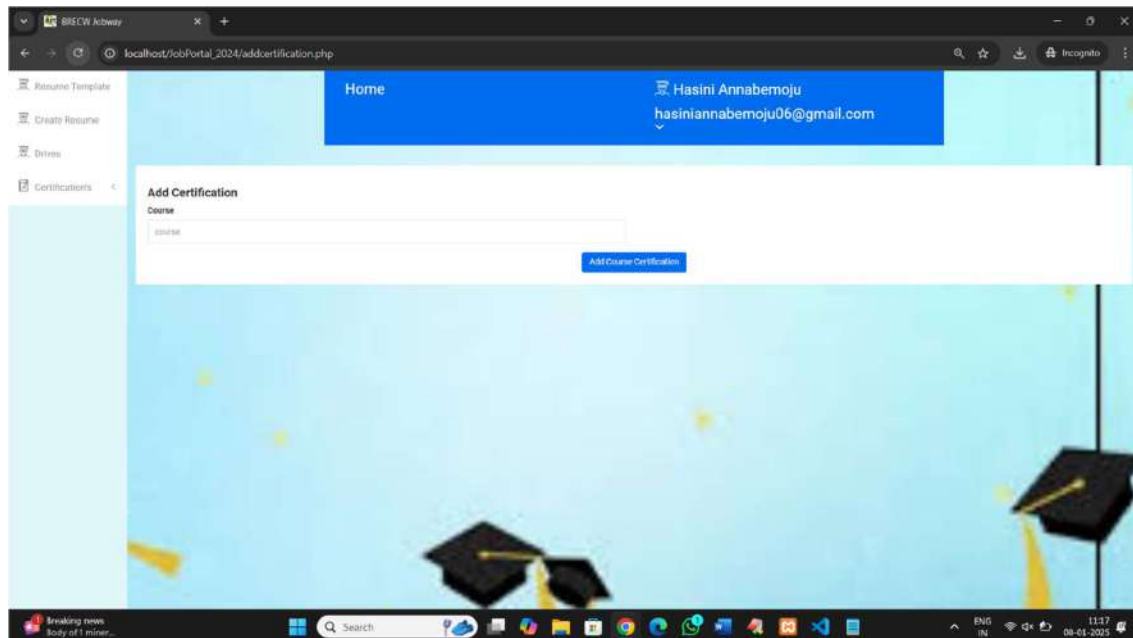


Fig 12 Add certifications

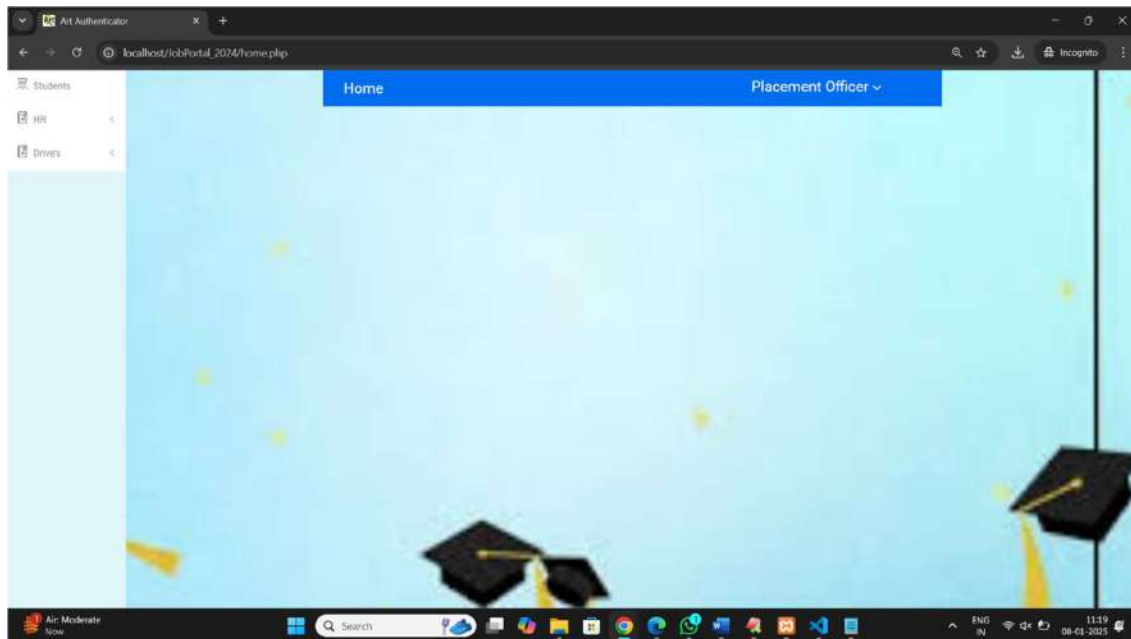


Fig 13 View certifications

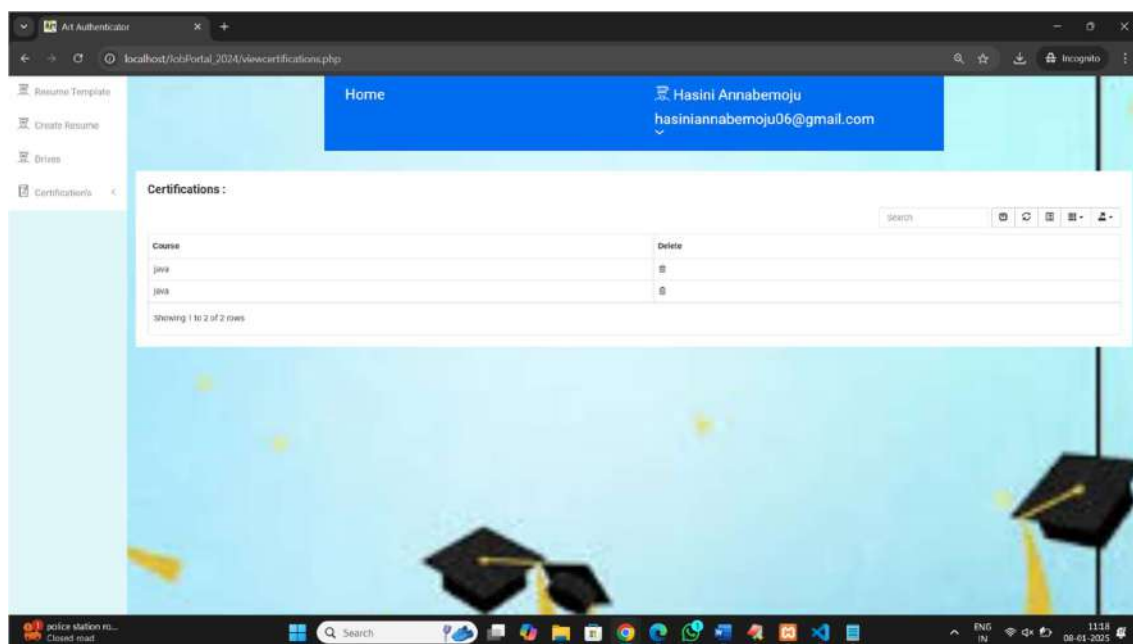


Fig 14 placement officer Home page

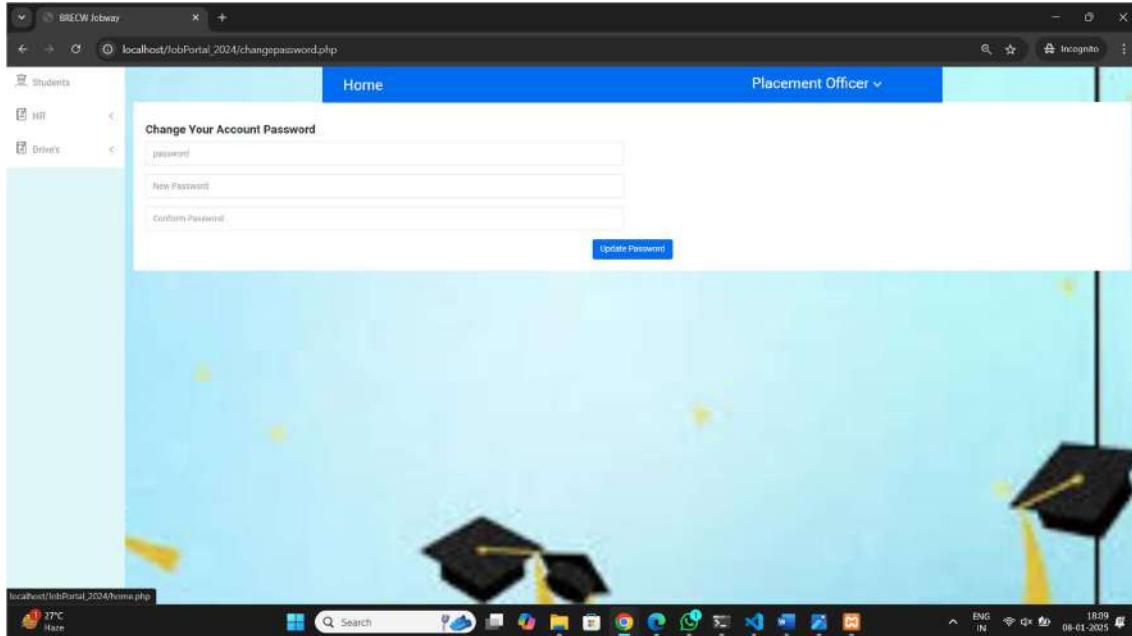


Fig 15 Change password

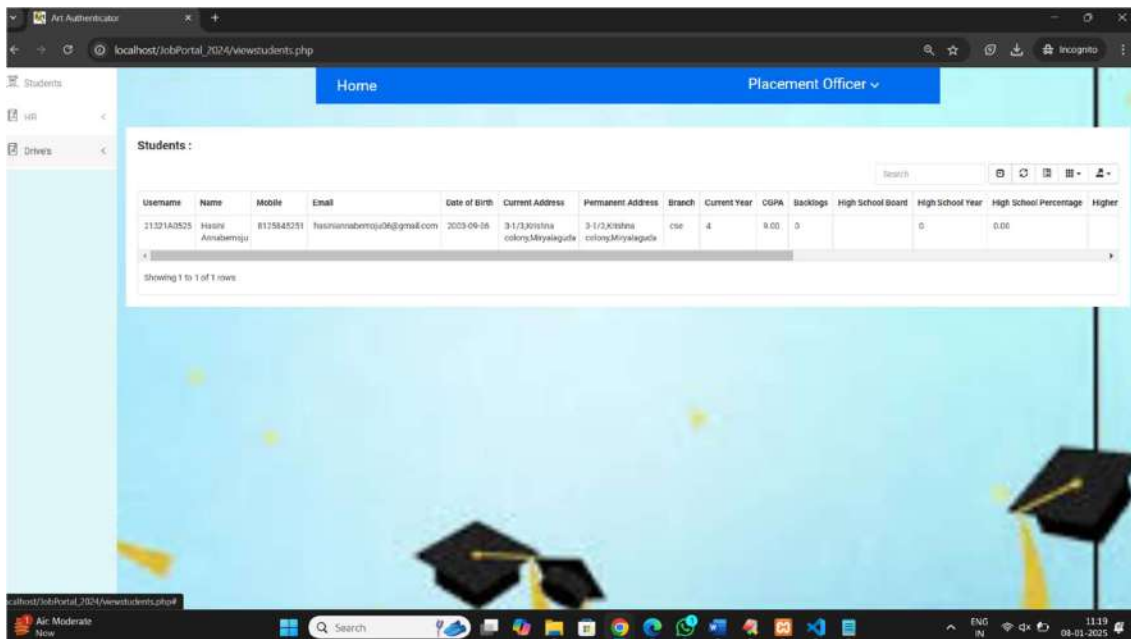


Fig 16 View Students

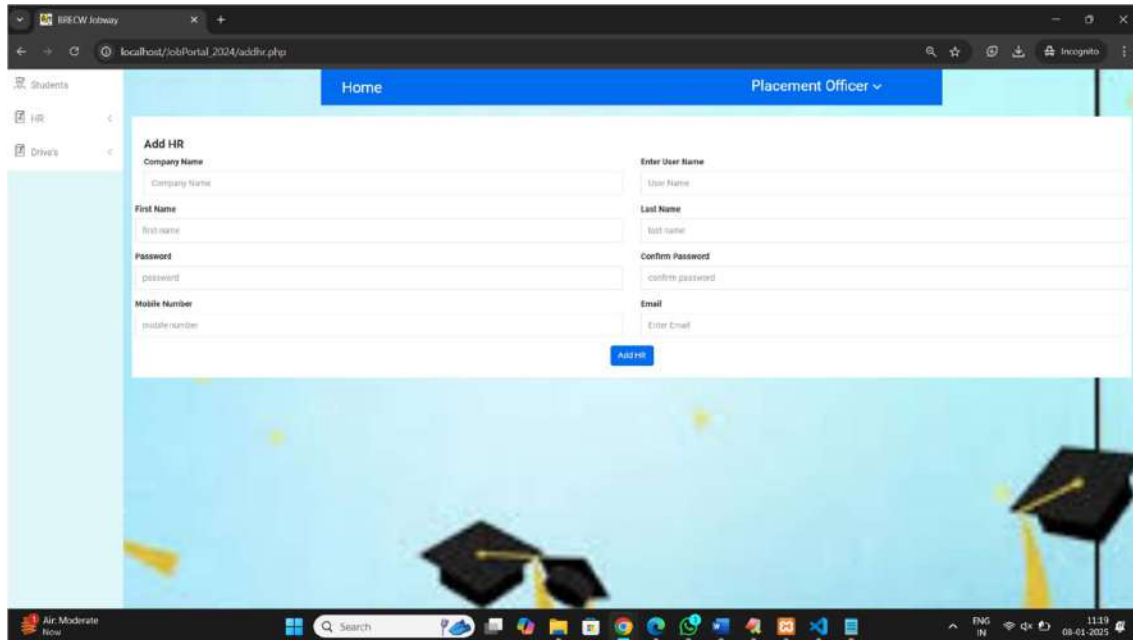
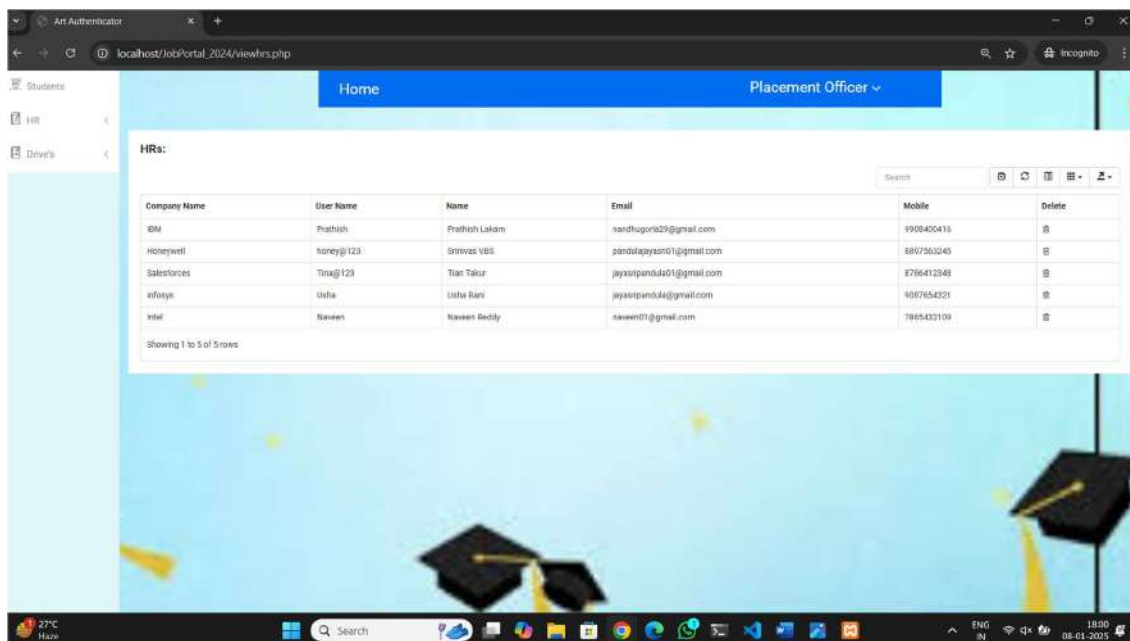


Fig 17 Add HR








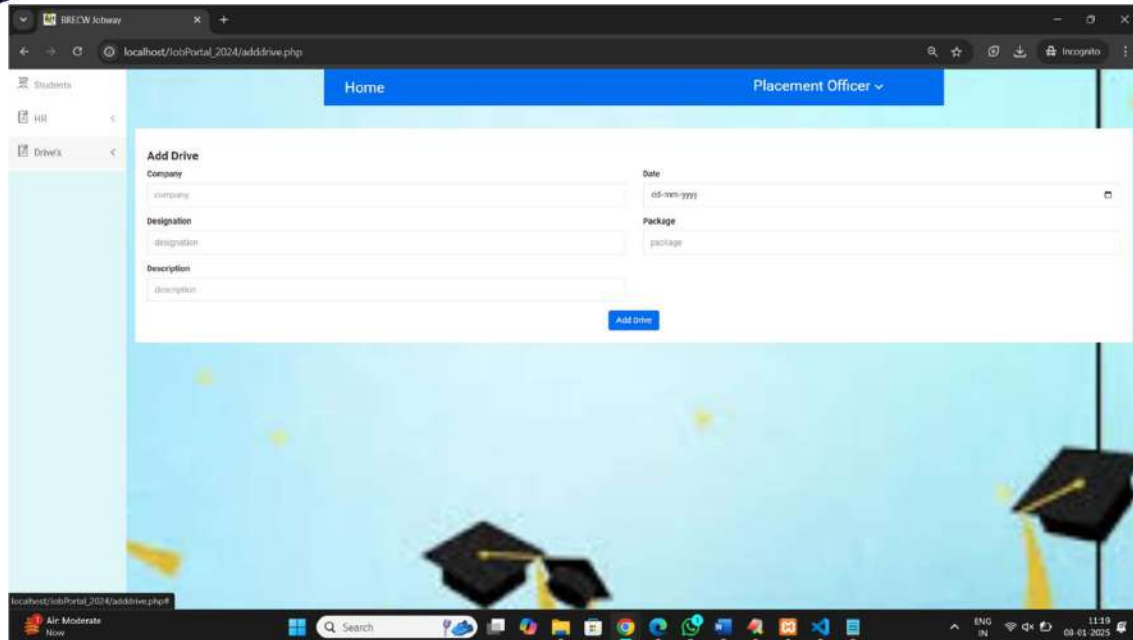
Company Name	User Name	Name	Email	Mobile	Delete
IDM	Prathish	Prathish Lakam	nandhugor2@gmail.com	9908400416	
Honeywell	honey@123	Srinivas VBS	pandulajayasri01@gmail.com	8867563245	
Bakerforces	Tina@123	Tian Takur	jayasripandula01@gmail.com	8786412348	
inforsys	Usha	Usha Rani	jayasripandula@gmail.com	4087654321	
intel	Navien	Navien Reddy	navien01@gmail.com	7865432109	

Fig 18 View HR's



Home Placement Officer

Add Drive

Company:

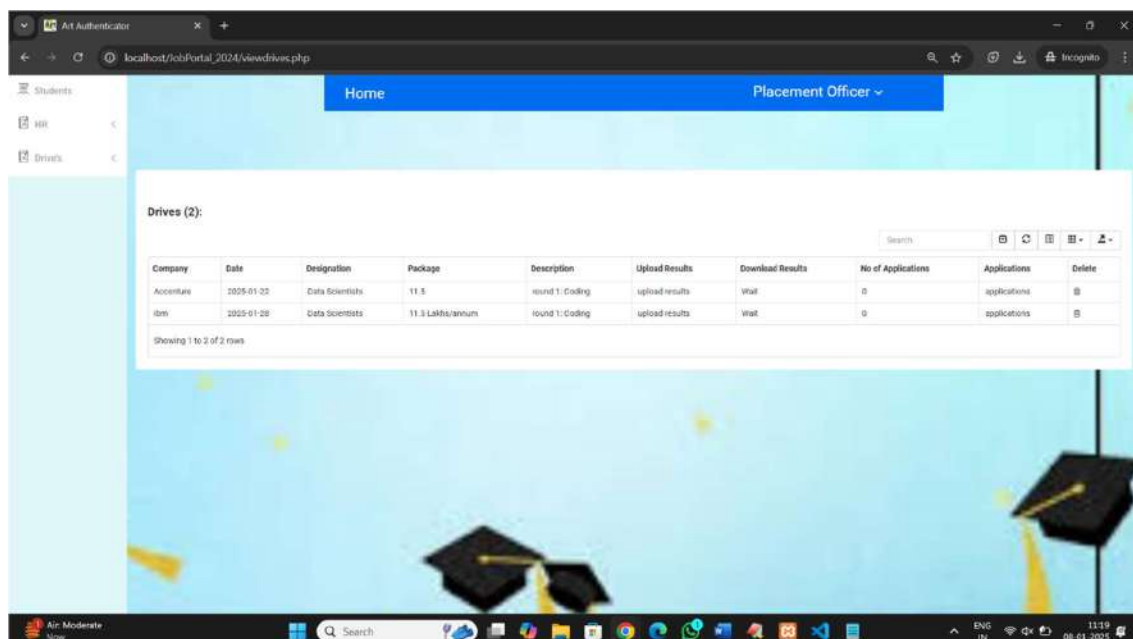
Designation:

Description:

Date:

Package:

Fig 19 Add Drive



Home Placement Officer

Drives (2):

Company	Date	Designation	Package	Description	Upload Results	Download Results	No of Applications	Applications	Delete
Accenture	2025-01-22	Data Scientists	11.5	round 1: Coding	upload results	Wait	0	applications	<input type="button" value="Delete"/>
ibm	2025-01-28	Data Scientist	11.5 Lakhs/annum	round 1: Coding	upload results	Wait	0	applications	<input type="button" value="Delete"/>

Showing 1 to 2 of 2 rows

Fig 20 view Drives

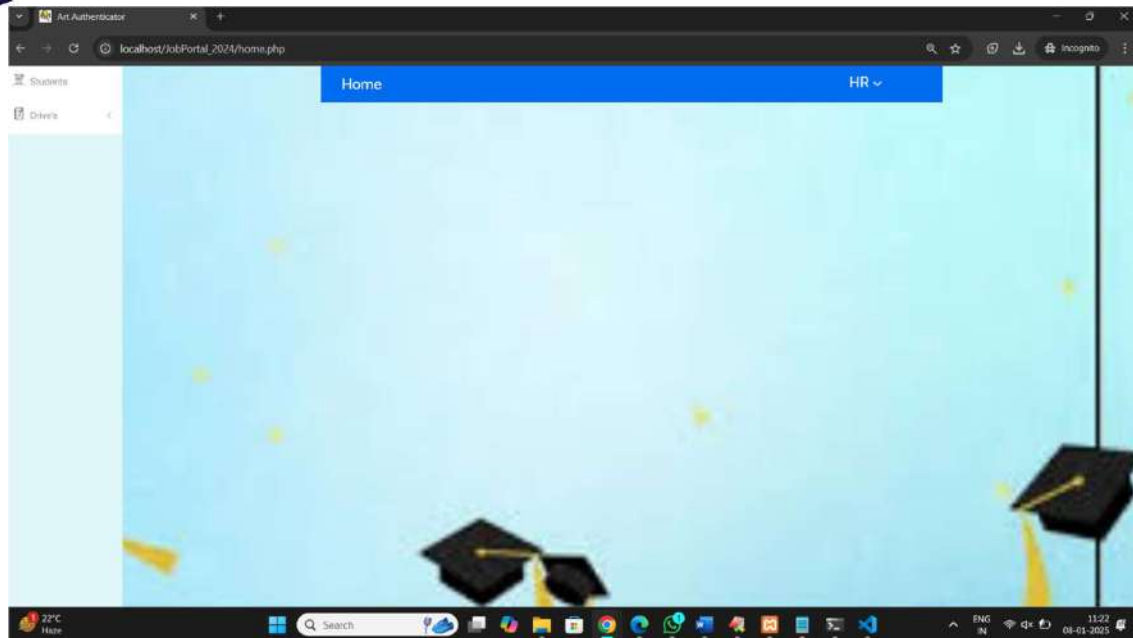


Fig 21 HR home page

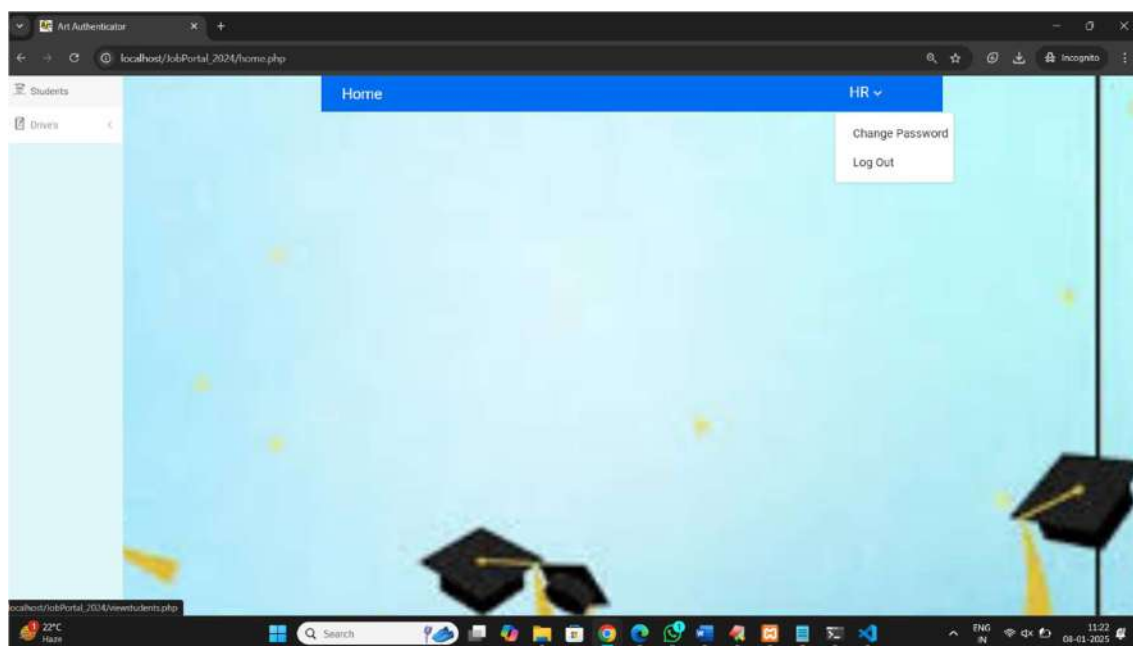


Fig 22 Home page

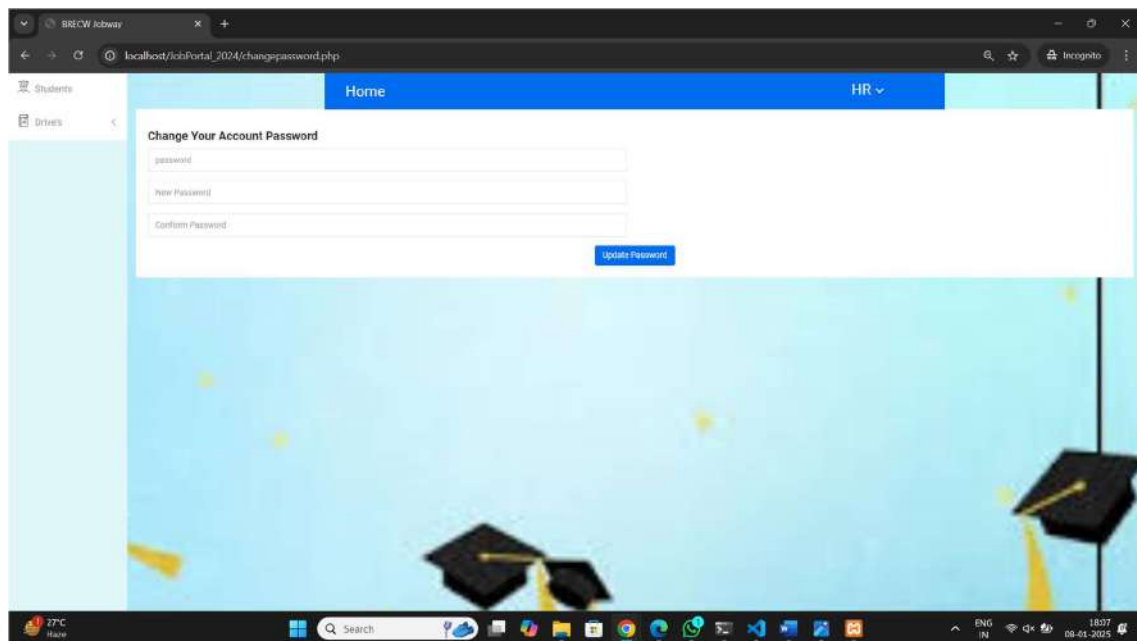


Fig 23 change password

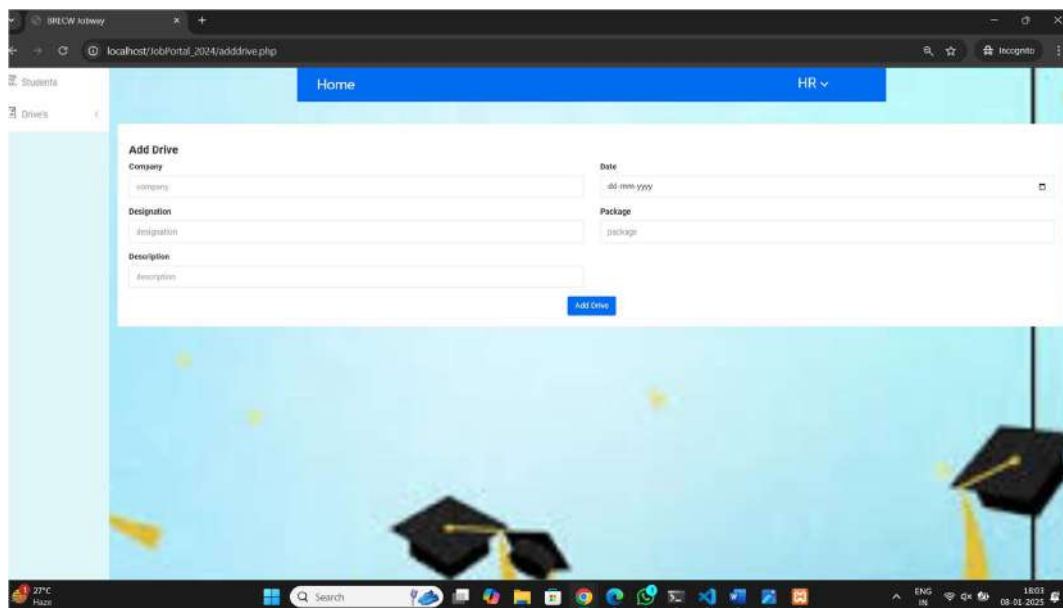


Fig 24 Add Drive

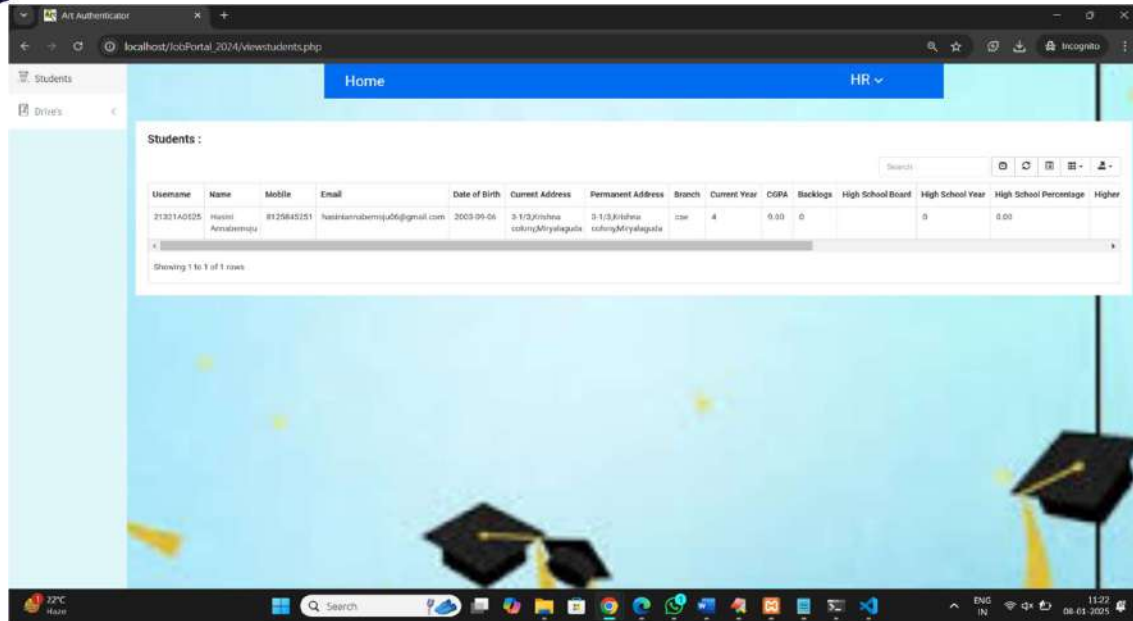


Fig 25 View Students

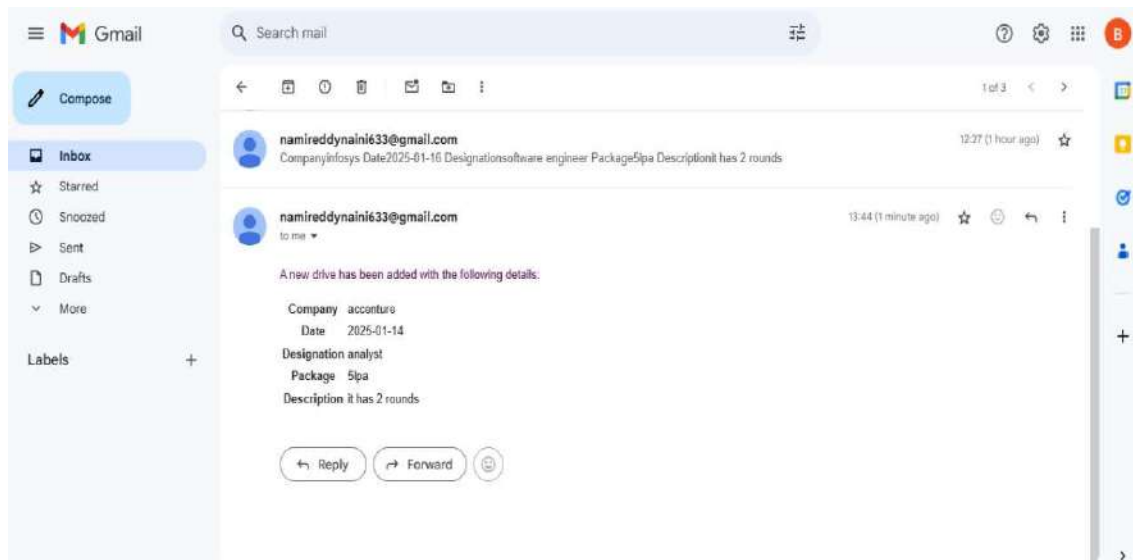


Fig 26 Email Notification

CONCLUSION AND FUTURE SCOPE

BRECW Jobway is a platform that provide interface between students and company. System provides the list of suitable companies to the students, according to their educational qualification, experience and

their preferences. Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion. The System streamlines the process of hiring candidates from educational institutions. It allows students to

create profiles, upload academic records, and apply for job opportunities. Similarly, companies can access student profiles, review resumes, and conduct recruitment drives efficiently. Overall, BRECW JOBWAY has the potential to significantly enhance the campus recruitment process and benefit both students and employers.

FUTURE SCOPE

- **Enhanced Data Analytics:** Implementing advanced analytics can provide insights into recruitment trends, candidate preferences, and hiring success rates, enabling better decision-making.
- **Integration with AI and Machine Learning:** Integrating AI and machine learning algorithms can automate candidate screening, analyse resumes, and predict candidate suitability for specific roles.
- **Expansion of Features:** Continuously adding features such as chatbots for candidate queries, interview scheduling tools, and virtual job fairs can enrich the user experience and attract more stakeholders.
- **Partnerships with Industry:** Collaborating with industry partners can facilitate internships, mentorship programs, and skill development initiatives, enriching the overall recruitment ecosystem

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