

*AT lab project submission*

## **StudentHustle**

*A report*

*To*

**MANIPAL ACADEMY OF HIGHER EDUCATION**

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## **Abstract:**

StudentHustle is an app which helps students in finding Part-Time Jobs according to their timings and other preferences.

For the past ten years, the employment rate among college students has been rising quickly. Some claim that this development is mostly due to economic factors. Many scholars have questioned the impact of the rising number of students working part-time jobs off campus on students' academic achievement.

Second, student employment has a good effect on the development of skills relevant to careers. It is practical experience that can't be learned alone in a classroom setting. Notwithstanding the motivations for their part-time employment, it is widely held that students who work a job do not necessarily perform better academically because their concentrate time is split between work and study. Students can only improve their academic performance by investing more time outside of class in academic-related activities.

The application which we are working on shall be very helpful for students those who want to work as part-time employee outside of their college hours. They can choose the appropriate time they would like to work during and the category/specialization they are interested in to search for part-time jobs accordingly.

## **Scope and Application:**

The students will be able to choose appropriate jobs according to their schedule. Our initial target are students of Manipal those who are financially unstable. We will be initially gathering resources from jobs available for offline jobs in Manipal. This application is made mainly for students and does not encourage for people those who are not students.

Here are some of the key aspects of its scope and application:

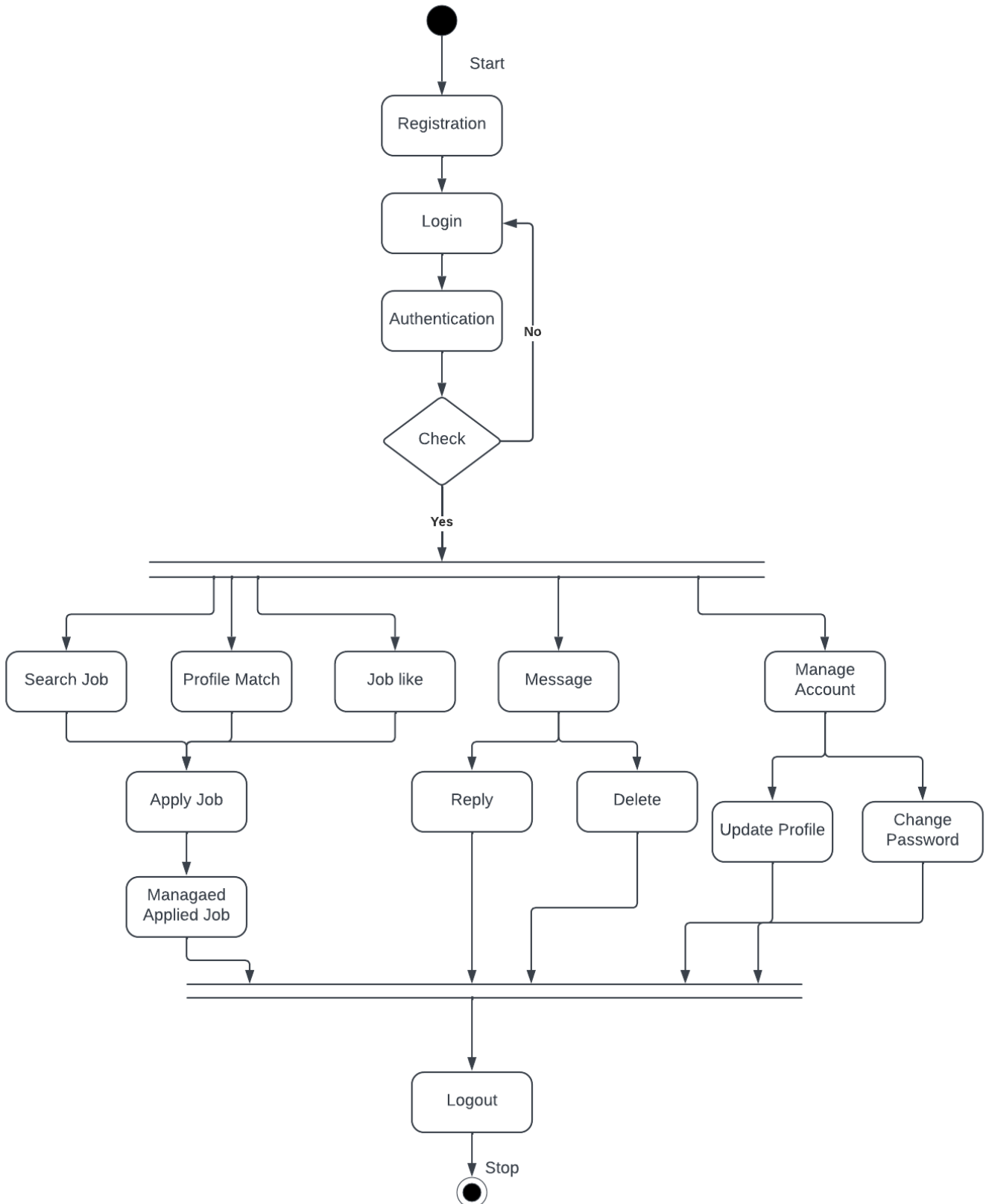
- **Job Search:** The primary purpose of the app would be to provide a platform for students to search and apply for part-time job opportunities. It can include various types of jobs suitable for

- students, such as retail, hospitality, tutoring, internships, freelancing, and more.
- **Location-Based Services:** The app can use location-based services to help students find job opportunities near their educational institution or residence. This feature would be particularly helpful for students who prefer jobs within a certain distance from their campus or home.
  - **Customized Job Recommendations:** The app can provide personalized job recommendations based on the student's profile, skills, and preferences. By considering factors like availability, interests, and qualifications, the app can suggest suitable part-time job options to students.
  - **Job Application and Resume Submission:** The app can facilitate the job application process by allowing students to apply directly through the platform. It can provide a standardized application form or resume template, making it easier for students to submit their credentials to potential employers.

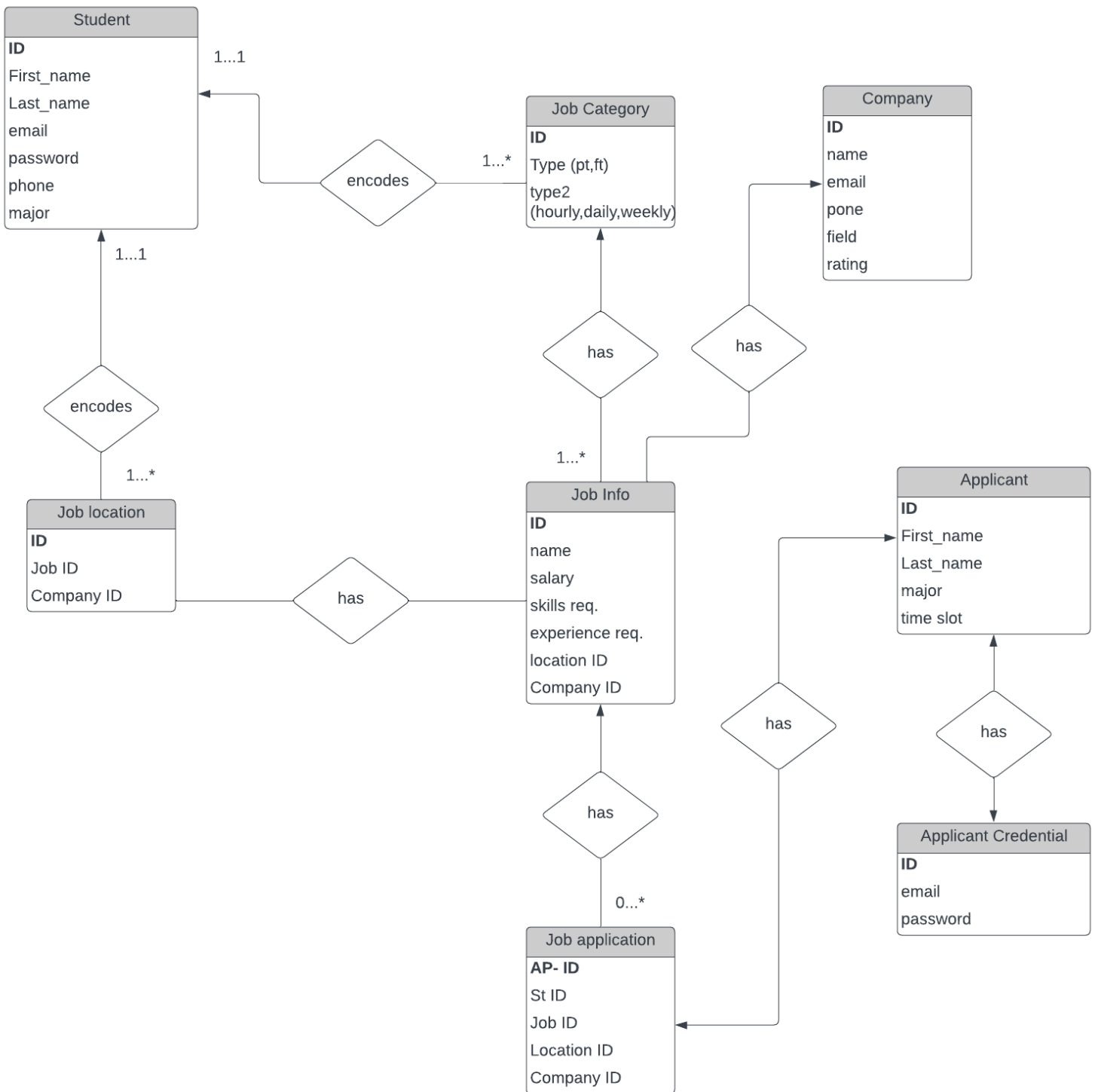
### **System Requirements:**

- Java
- XML
- Android Studio
- SQLite3 Database

## Activity Diagram:



## Database ER Diagram:



## **Product Module Description and Functions (Functional Requirements):**

**Product Module:** Part-Time Job Finder for Students

### **Description:**

The Part-Time Job Finder for Students is an online platform designed to help students find suitable part-time job opportunities that align with their skills, interests, and availability. The platform serves as a centralized hub where students can search for job listings, apply for positions, and manage their job applications. It aims to streamline the process of job hunting for students, making it easier for them to secure part-time employment while balancing their academic responsibilities.

### **Functional Requirements:**

#### 1. User Registration and Profile Creation:

- Allow students to create user accounts by providing their personal information, such as name, contact details, and educational institution.
- Enable students to create and manage their profiles, including their skills, areas of interest, availability, and any previous work experience.
- Provide options for students to upload their resumes, cover letters, and other relevant documents.

#### 2. Job Search and Filtering:

- Implement a search functionality to allow students to browse through available part-time job listings.
- Enable filtering options based on criteria such as location, job type, industry, and schedule.
- Provide sorting capabilities to display the most relevant and recent job opportunities first.

### 3. Job Details and Application:

- Display detailed information about each job listing, including job title, description, requirements, and compensation.
- Allow students to apply for jobs directly through the platform by submitting their resumes and cover letters.
- Enable students to track the status of their job applications and receive notifications regarding application updates.

### 4. Saved Jobs and Favorites:

- Allow students to save job listings for future reference and easy access.
- Enable the option to mark specific jobs as favorites to prioritize and revisit them later.

### 5. Job Alerts:

- Provide an option for students to set up job alerts based on their preferences, such as job type, location, or keywords.
- Send email notifications or in-app notifications to students when new job opportunities matching their criteria become available.

### 6. Communication and Messaging:

- Implement a messaging system to facilitate communication between students and employers.
- Enable students to send inquiries, ask questions, and schedule interviews with potential employers.

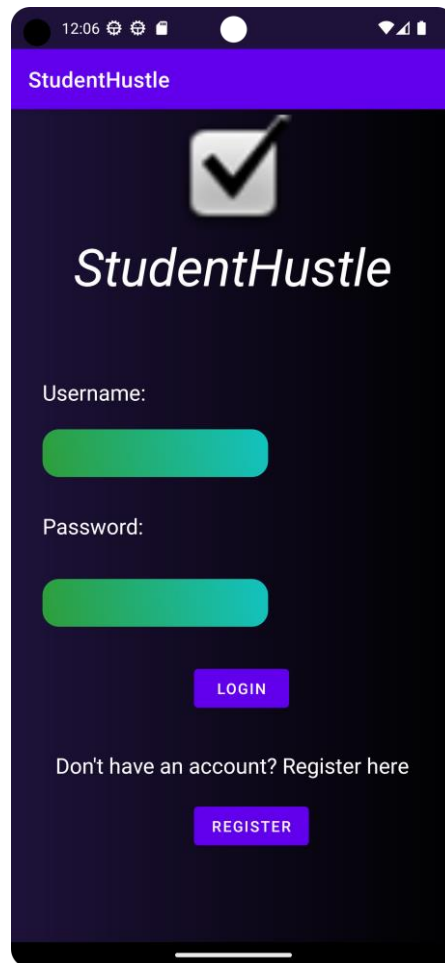
### 7. Mobile-Friendly Interface:



- Develop a responsive design that ensures the platform is accessible and user-friendly across various devices, including smartphones and tablets.

## Detailed Project design with some snap shots:

At first there is a login page where the user will have to enter valid credentials in order to proceed further. If he/she is a new user he/she can click on register in order to register themselves for the application:



*Figure 1 - Login Page*

The following are the screenshots of the registration page where personal and educational details are asked in order to create an account. There is a spinner which has all the branches which the student can choose:

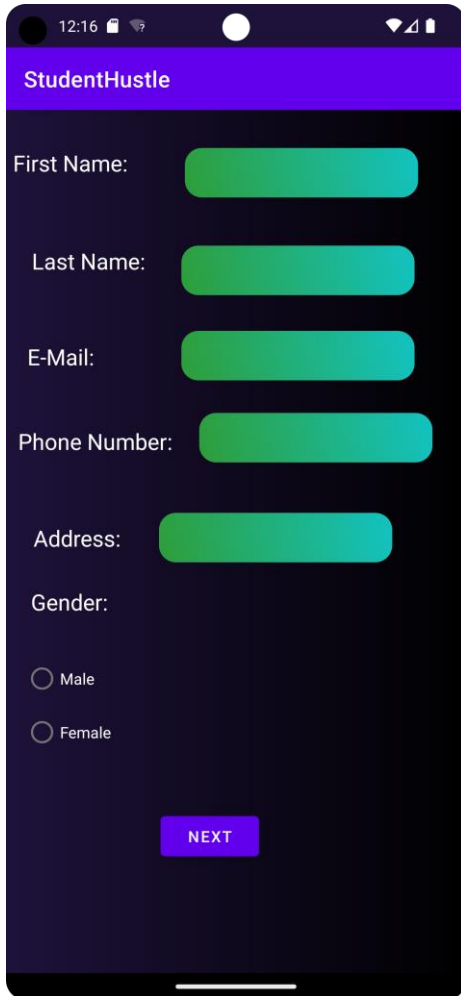


Figure 2 - Registration 1

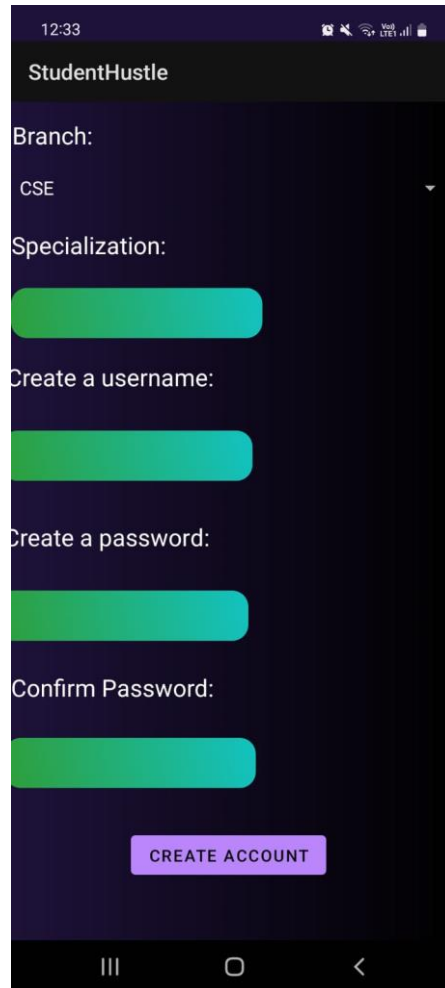


Figure 3 - Registration 2

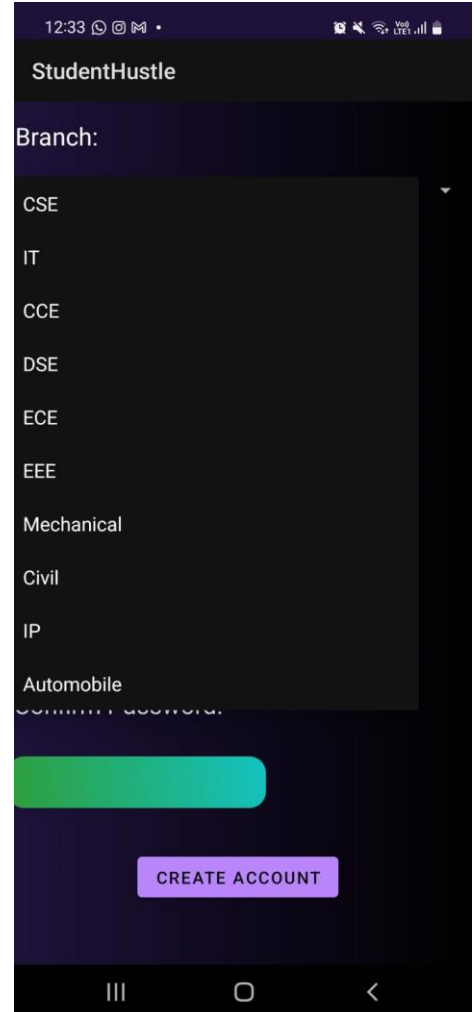
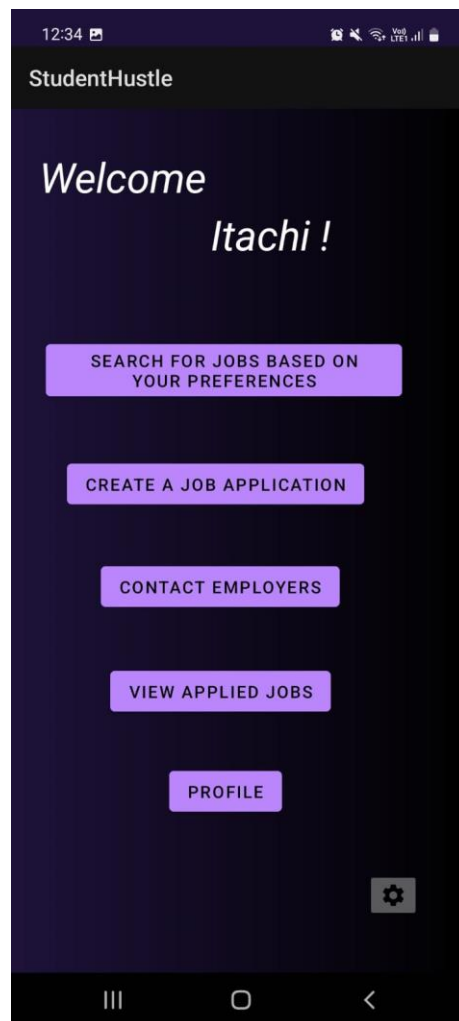


Figure 4 - Registration 3

After the user successfully logs in, he/she is redirected to the home page where the user can select following:

1. To search jobs
2. To view profile
3. To view applied jobs
4. To create job applications



*Figure 5 - Home Page*

1. To search jobs: The user can select their preferences in the following 2 pages for better skill mapping and job recommendation:

12:35

StudentHustle

Please Select the Job Categories You Are Interested in:

☒ Programming

☒ Delivery

☒ Human Resource

☒ Sales

Please select the time slot you prefer:

Start time:

5 PM

End time:

10 PM

NEXT

Figure 6 - Search 1

12:36

StudentHustle

Upload your resume:

UPLOAD

document/document:1000001992

Related Projects Done (if any):

Enter the Project title

Work Mode:

☒ Work from Home

☒ Online

Set Radius (in Kms): 5

SEARCH

Figure 7 - Search 2

After clicking on search, a personalized recommendation is shown as follows. The user can apply for a particular job by selecting their already existing job applications from a spinner:

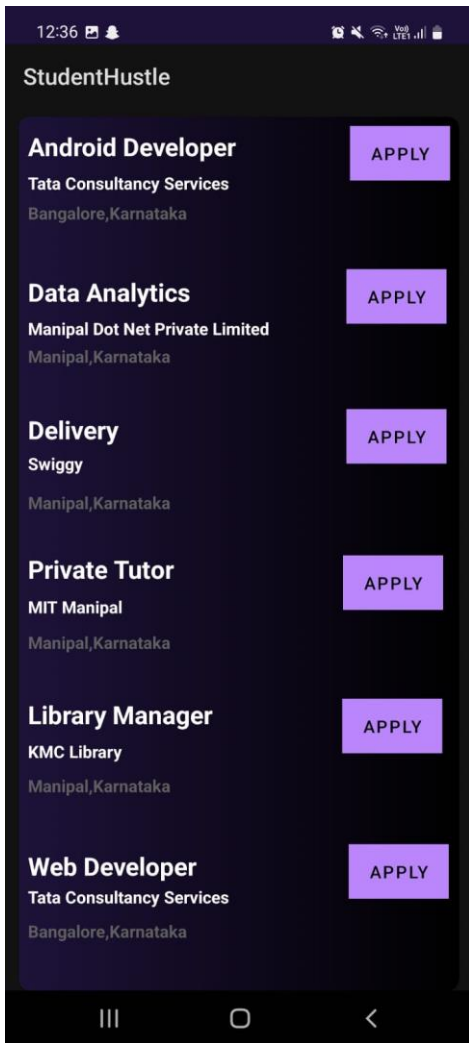


Figure 8 - Jobs

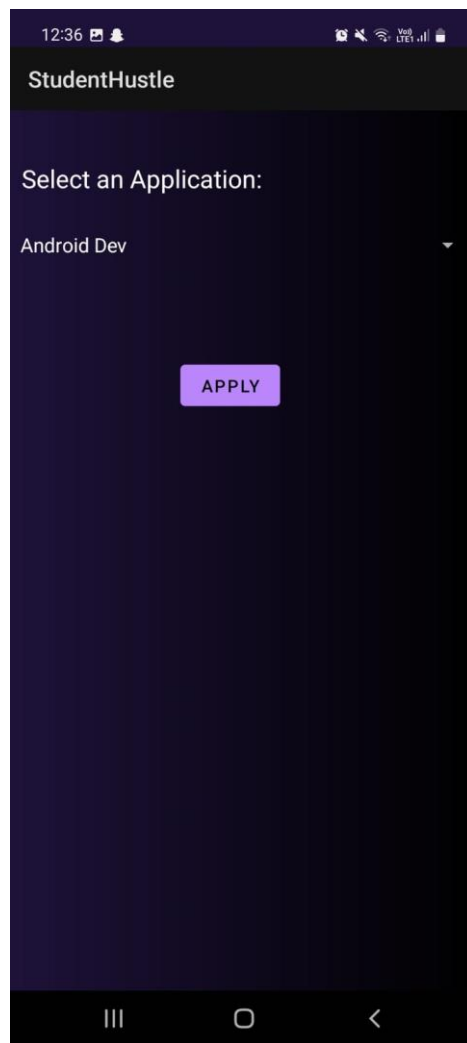


Figure 9 - Apply 1

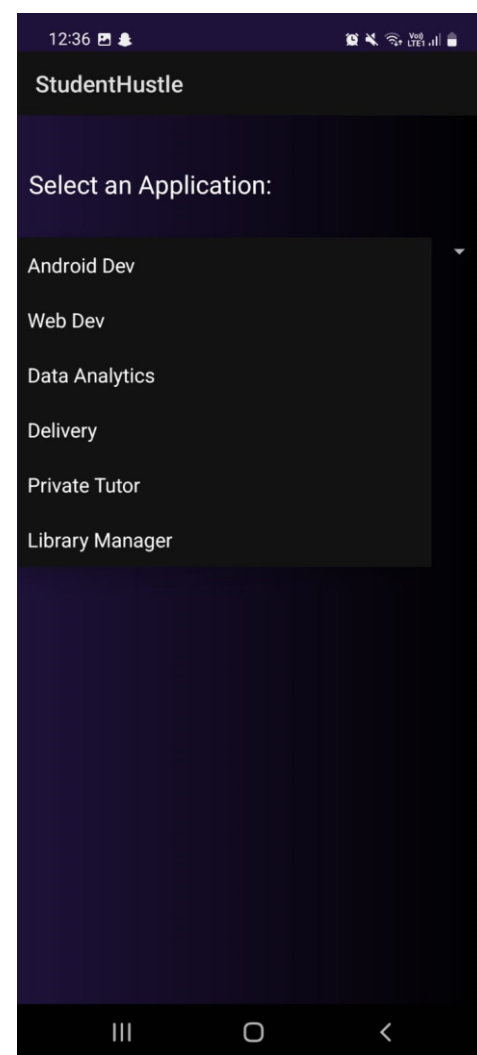
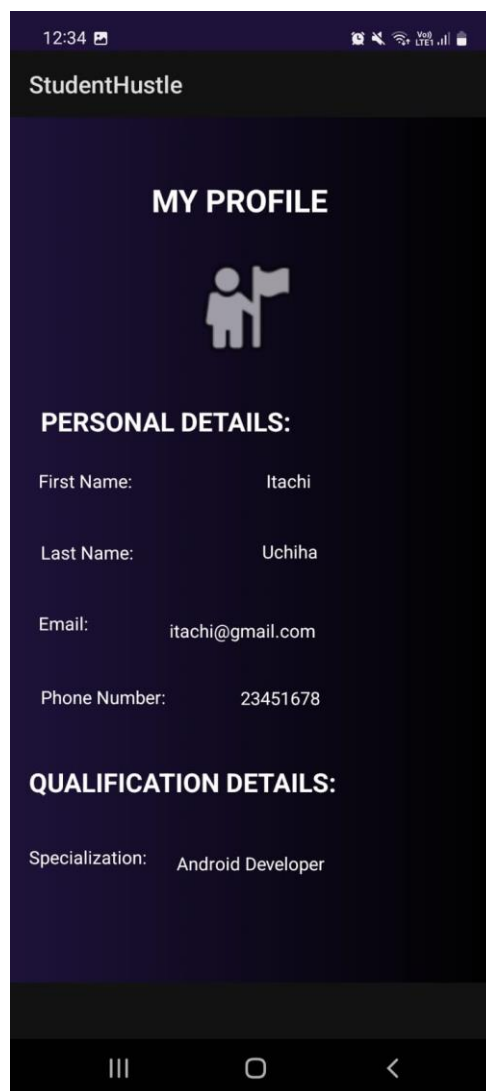


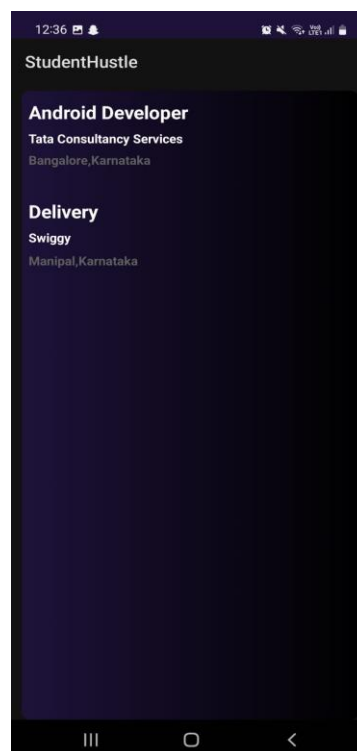
Figure 10 – Apply 2

2. To view profile: The user can view their basic details:



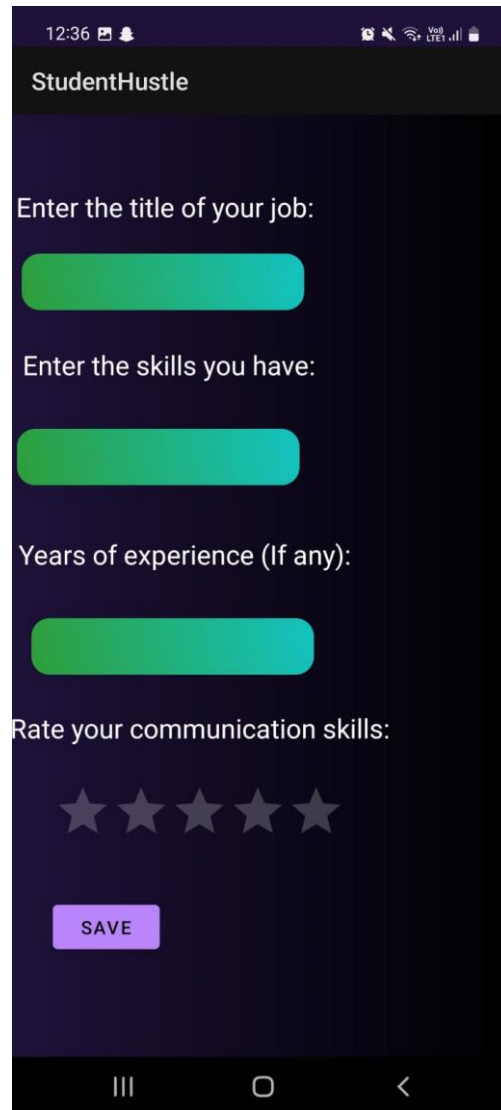
*Figure 11 - Profile*

3. To view applied jobs: The user can view their applied jobs:



*Figure 12 – Applied Jobs*

4. To create a job application: The user can brief out their skills for a particular job title which gets stored in the database when the user clicks Save:



The screenshot shows a mobile application interface for 'StudentHustle'. The status bar at the top displays the time 12:36 and various icons. The app title 'StudentHustle' is in a dark header. The form consists of four sections: 'Enter the title of your job:' with a blue rounded input field; 'Enter the skills you have:' with a blue rounded input field; 'Years of experience (If any):' with a blue rounded input field; and 'Rate your communication skills:' with five grey star icons. A blue 'SAVE' button is positioned below the stars. The bottom of the screen features a dark navigation bar with three icons: a hamburger menu, a home icon, and a back arrow.

*Figure 13 – Job Application*

In addition to these features, the user can update his/her profile:

The screenshot shows a mobile application interface for 'StudentHustle'. At the top, there is a status bar with the time '12:36' and various icons. Below the status bar is a dark blue header with the text 'StudentHustle'. The main content area is a dark blue gradient. It contains five teal, rounded rectangular input fields stacked vertically, each with white text: 'Enter new first name', 'Enter new last name', 'Enter new email', 'Enter new number', and 'Enter new Specialization'. Below these fields is a purple rectangular button with the text 'UPDATE' in white. At the bottom of the screen is a dark blue navigation bar with three white icons: a hamburger menu, a home icon, and a back arrow.

*Figure 14 – Update Profile*



## **Conclusion and future scope:**

### **Conclusion:**

The student-specific Part-Time Job Finder app is a useful resource that caters to the specific needs of students looking for part-time employment. The software improves the job-hunting process and enables students to more successfully juggle employment and education by offering a user-friendly platform to look for, apply to, and manage job possibilities. The app's features, including job filtering, application tracking, and communication tools, improve user experience and boost the likelihood that users will find acceptable part-time work.

### **Future Scope:**

To further improve the Part-Time Job Finder app for students, the following enhancements and additions can be considered:

1. Implement a sophisticated matching algorithm to match job postings with students' abilities, interests, and schedules in order to improve the accuracy and relevancy of career recommendations.
2. Integrate a scheduling system within the app so that students may arrange interviews with employers directly without using extraneous channels of contact.
3. Provide students with tools to assist them develop their skills and qualifications, making them more competitive in the job market, such as online courses, webinars, or publications.
4. Create a community within the app where students can interact with friends, exchange employment prospects, get advice, and broaden their professional networks. Community and networking features.
5. Integration of the gig economy: Look into collaborations with platforms that support the gig economy to give students more flexible employment options than just typical part-time jobs.
6. Expand the app's focus to include internship options for students so they can obtain practical work experience in the fields they choose.
7. Analytics and Insights: Include data analytics capabilities to give students insights, such as the need for particular talents, typical

- incomes, and trending employment sectors. This will assist students make educated decisions about their career pathways.
8. Integrate campus recruitment activities by working with employers and educational institutions to bring together students and recruiters on-campus.
  9. Offer tools and advice to assist students develop expert resumes and cover letters, improving their chances of landing job interviews.  
Resume Builder and Application Assistance.
  10. Updated User Feedback: Implement a better feedback mechanism to collect in-depth comments from students and employers. This will enable the app's functionality and user experience to be continually updated.

The Part-Time Job Finder app can assist students in their efforts to find a job and advance their careers by adding these future improvements and enhancing the app's functionality.