

Earn Hub: A Student-Centric Local Gig Marketplace

Shalini K S, Sinchana C K, Yashaswini S, Surendra Gouda S I,

Department of Computer Science and Engineering
Sampoorna Institute of Technology and Research, Channapatna 562160, Ramanagaram,
Karnataka, India

Shalinisrinivas84535@gmail.com, sinchanakrishna6@gmail.com
sunandarajyashaswini@gmail.com, surendragouda253@gmail.com

Abstract— Finding suitable part-time and local job opportunities is a major challenge for students, as existing job platforms may not focus on student-specific skills, interests, and local opportunities. This paper proposes an **Earn Hub: A Student-Centric Local Gig Marketplace** that connects students with suitable gig and part-time job opportunities based on their skills, interests, and location. The system allows students to register, create their profiles, explore available jobs, and apply for suitable opportunities. It also provides job information such as required skills, location, duration, and payment details, helping students select suitable work opportunities. An application management system is provided to track applied jobs and application status. The proposed system provides a simple, centralized, and user-friendly platform for students to discover local earning opportunities, utilize their skills, gain work experience, and earn income.

Keywords: Earn Hub, Student Jobs, Gig Marketplace, Part-Time Jobs, Skill-Based Matching, Local Job Opportunities, Student Employment, Web Application.

I. INTRODUCTION

The rapid growth of digital technologies and the internet has transformed the way people search for and access employment opportunities. Students are increasingly looking for part-time jobs, freelance work, internships, and local gig opportunities to earn income, develop practical skills, and gain work experience. However, finding suitable opportunities that match their skills, interests, location, and availability can be challenging. Existing job platforms mainly provide general employment opportunities and may not specifically focus on the requirements of students. As a result, students may face difficulties in finding relevant local jobs and connecting with suitable employers.

Traditional methods of finding part-time and local jobs, such as social media platforms, personal contacts, advertisements, and general job portals, provide limited personalization and require students to manually search through multiple opportunities. These methods may not provide an efficient way to match students with jobs based on their skills and interests. Therefore, there is a need for a centralized and user-friendly platform that can help students discover suitable earning opportunities easily.

The growth of web technologies has made it possible to develop online platforms that connect job seekers with suitable employment opportunities. A student-focused gig marketplace can provide an efficient way to connect students with local employers and short-term job opportunities. By considering information such as skills, interests, location, job requirements, payment, and duration, such a platform can help students identify opportunities that are more relevant to them.

This paper proposes **Earn Hub: A Student-Centric Local Gig Marketplace**, a web-based platform designed to connect students with suitable local gig and part-time job opportunities. The system allows students to register and create their profiles by providing details such as skills, interests, and location. Students can browse available job

opportunities and view important information such as job title, description, required skills, location, payment, and duration. They can then apply for suitable jobs through the platform.

The proposed system also provides an application management mechanism through which students can track the jobs they have applied for and monitor their application status. By providing job opportunities and student information through a centralized platform, Earn Hub reduces the difficulty of manually searching for suitable work opportunities. The system aims to provide students with an easy, accessible, and organized way to find local earning opportunities while helping them utilize their existing skills.

The Earn Hub platform is designed using modern web technologies to provide a simple, reliable, and user-friendly experience. By connecting students with relevant local gig opportunities, the system can help students earn income, gain practical experience, improve their skills, and build professional connections. The primary objective of this work is to create a student-focused platform that simplifies the process of discovering and applying for local job opportunities and provides an effective solution for student employment and skill-based earning.

II. LITERATURE REVIEW

Student employment and gig-based work have become important areas of research with the growth of digital platforms and online job marketplaces. Researchers have developed various web-based platforms to connect job seekers with employers and provide easier access to employment opportunities. Traditional job search methods, such as advertisements, personal contacts, and general job portals, provide basic access to job opportunities but may not effectively address the specific requirements of students. To overcome these limitations, several technology-based approaches have been proposed to improve job discovery and matching.

Recent studies have demonstrated that online job recommendation and marketplace systems can improve the process of connecting job seekers with suitable employment opportunities by analyzing information such as skills, interests, experience, job requirements, and location. Skill-based recommendation techniques can help users identify jobs that are more relevant to their capabilities. Various approaches, including content-based recommendation, collaborative filtering, machine learning-based recommendation, and skill matching, have been explored to improve the accuracy and efficiency of job recommendations.

Existing job platforms mainly focus on providing general employment opportunities for a wide range of users. Although these platforms provide access to a large number of jobs, they may not specifically consider the needs of students looking for part-time, short-term, or local work. Students may have to manually search through multiple job listings to find opportunities that match their skills, interests, location, and availability. Many existing systems also provide limited support for tracking applications and managing student-specific job opportunities.

Researchers have also explored gig economy platforms and online freelance marketplaces to provide flexible employment opportunities. These platforms allow users to offer their skills and connect with potential employers. However, some existing systems are designed for general freelancers and professionals and may require prior experience or specialized skills. They may also lack a simple student-focused environment for discovering local earning opportunities and gaining practical work experience.

The proposed **Earn Hub: A Student-Centric Local Gig Marketplace** addresses these limitations by providing a centralized platform specifically designed for students. The system allows students to create profiles containing their skills, interests, and location and browse suitable local gig and part-time job opportunities. Job information such as required skills, location, payment, and duration helps students select relevant opportunities. The platform also provides job application and application status tracking features, making the process more organized and user-friendly. This approach helps students discover suitable earning opportunities, utilize their skills, gain practical experience, and connect with potential employers through a simple web-based platform.

III. EXISTING SYSTEM

Existing job search systems mainly rely on general job portals, social media platforms, advertisements, personal contacts, and traditional recruitment methods to provide employment opportunities. Although these methods provide access to different types of jobs, they are not specifically designed to address the requirements of students looking for

part-time, short-term, and local gig opportunities. Many existing platforms require students to manually search through a large number of job listings and may not effectively match opportunities based on their skills, interests, and location. As a result, students may find it difficult to identify suitable earning opportunities and connect with potential employers efficiently.

Drawbacks:

- Not specifically designed for students seeking local gig and part-time opportunities.
- Limited support for skill-based and interest-based job matching.
- Difficult to identify suitable jobs from a large number of listings.
- Requires students to manually search across different platforms and sources.
- Limited focus on nearby or location-based job opportunities.
- Lack of a centralized platform for student-specific earning opportunities.
- Limited facilities for managing and tracking job applications.
- Difficulty in finding short-term and flexible work opportunities suitable for students.
- Limited connection between students and local employers.
- May not provide all important job details such as required skills, payment, location, and duration in one place.

IV. PROPOSED SYSTEM

The proposed **Earn Hub: A Student-Centric Local Gig Marketplace** is a web-based platform that helps students find suitable local, part-time, and short-term job opportunities. The main aim of the system is to provide a single platform where students can easily search for jobs based on their skills, interests, and location.

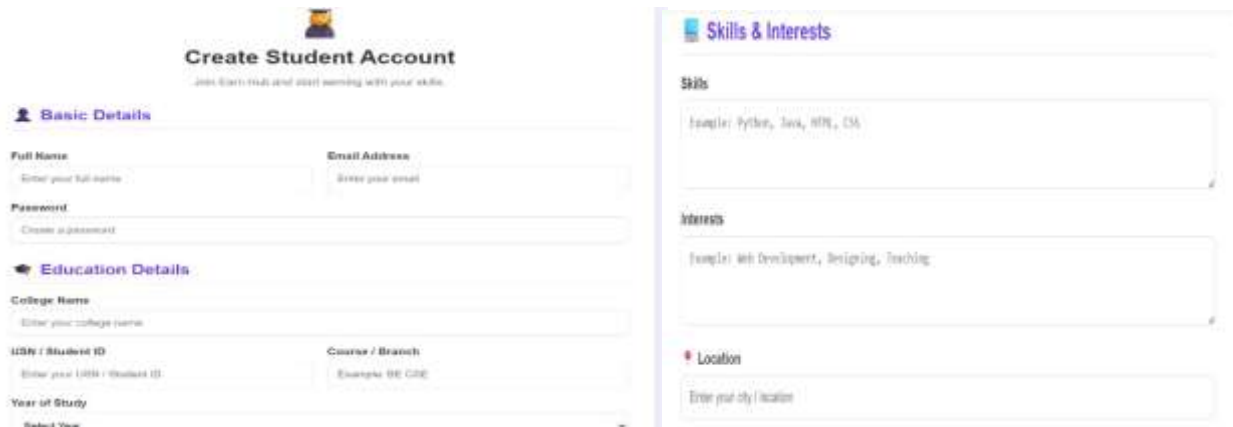
Students can register on the platform and create their profile by providing details such as name, skills, interests, and location. Job providers can add job opportunities by providing details such as job title, description, required skills, location, payment, and duration. Students can view the available jobs and choose suitable opportunities according to their skills and requirements.

The system allows students to apply for jobs directly through the platform. Students can also view and track the status of their applications. Reviews and ratings can be used to improve trust and provide feedback about the job experience.

Earn Hub provides a simple and user-friendly interface that makes it easier for students to discover earning opportunities. The system helps students utilize their skills, gain practical experience, and earn income through flexible local work opportunities.

Features**1. Student Registration**

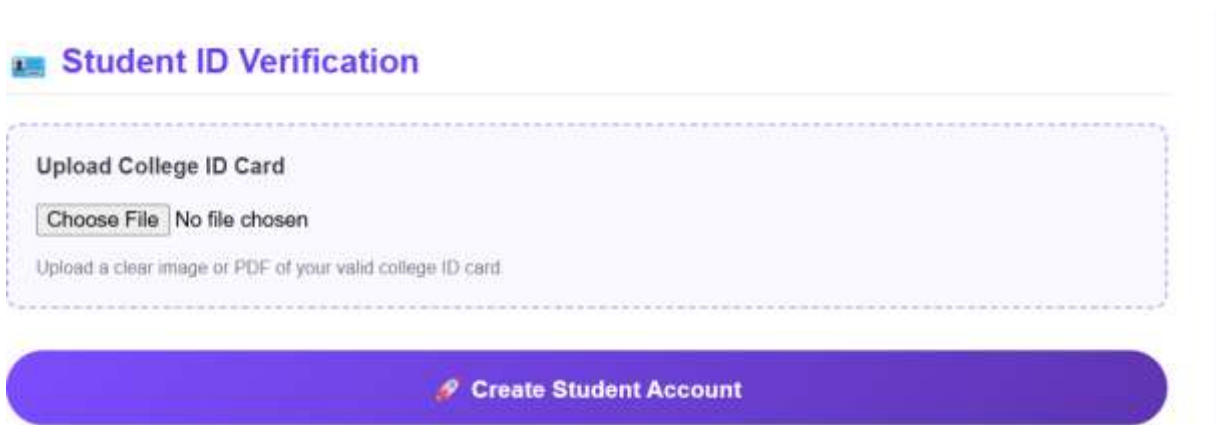
Students can create an account and add details like name, skills, interests, and location.



The form is titled "Create Student Account" and includes a sub-header "Join IJSREM and start working with your skills". It is divided into two main sections: "Basic Details" and "Education Details". The "Basic Details" section includes fields for "Full Name", "Email Address", and "Password". The "Education Details" section includes fields for "College Name", "Course / Branch", "Year of Study", and "Location". There is also a "Skills & Interests" section on the right side of the form, which includes fields for "Skills" and "Interests".

2. College ID Card Verification

Students upload their college ID card to verify that they are genuine students.



The form is titled "Student ID Verification" and includes a sub-header "Upload College ID Card". It features a "Choose File" button and a "No file chosen" status. Below the file upload area, there is a text prompt: "Upload a clear image or PDF of your valid college ID card". At the bottom of the form, there is a large blue button labeled "Create Student Account".

3. AI-Based Job Suggestion

The system suggests suitable jobs based on the student's skills and interests.

4. Online Job Opportunities

Students can apply for online tasks like content writing, data entry, tutoring, etc.

5. Offline Local Area Jobs

The platform shows nearby jobs available in the student's local area.

6. Office Job Locations

Students can find part-time office work such as data entry, documentation, and office assistance.

7. Skill-Based Work Opportunities

Students can mention skills such as:

- Mehndi Artist
- Photography
- Makeup Artist
- Tutor

- Event Helper

8. Time Limit Feature

Students can work a maximum of **2 hours per day and 14 hours per week** to maintain a balance between studies and work.

9. Review and Rating System

After completing the work, both the student and employer can provide reviews and ratings.

10. Payment Settlement System

After work completion and verification, the payment is transferred to the student.

11. Complaint and Support System

If payment is not received or any problem occurs, students can raise a complaint through the platform.

Overall System Features

- Student Registration and Login
- College ID Card Verification
- Student Profile Management
- Skills and Interests
- AI-Based Job Suggestions
- Local and Office Job Listings
- Part-Time and Gig Opportunities
- Job Search and Job Details
- Job Application and Application Tracking
- Time Limit / Work-Hour Cap
- Payment and Duration Details
- Reviews and Ratings
- Complaint and Support System
- Secure Database

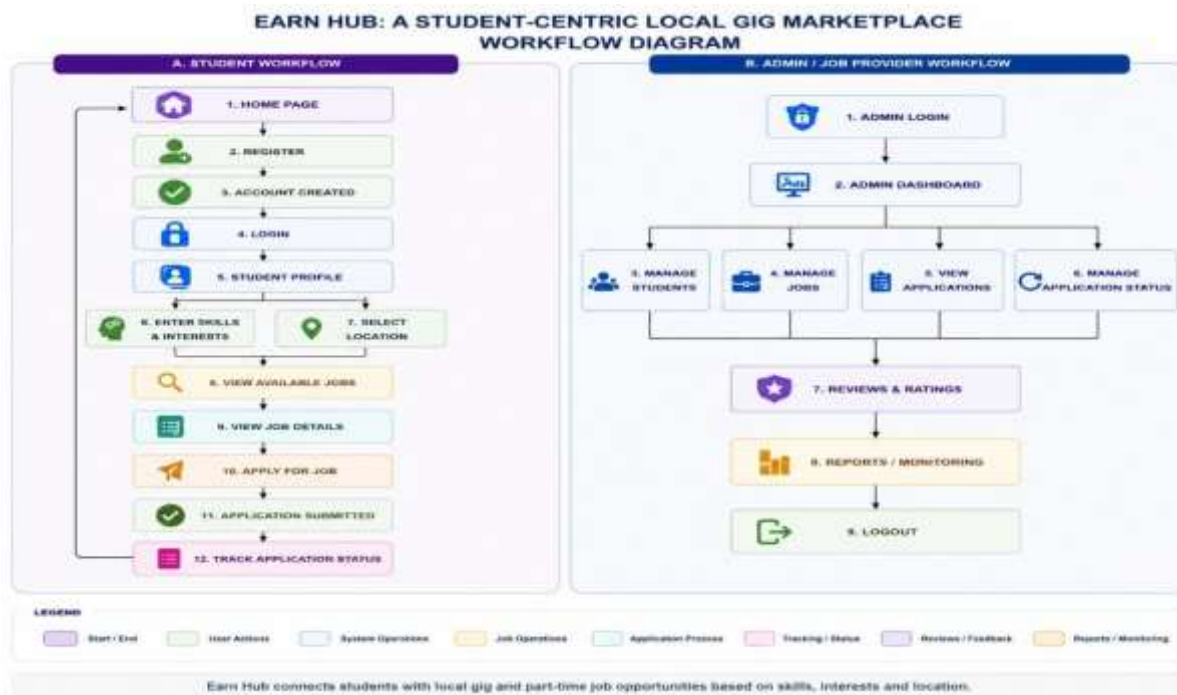


Fig. 1. Earn Hub workflow diagram showing the student registration, verification, job discovery, and application process (left) and the admin / job-provider workflow for managing students, jobs, applications, and reports (right).

V. RESULT ANALYSIS

The proposed **Earn Hub: A Student-Centric Local Gig Marketplace** was implemented successfully and tested with different student and job-related activities. Students were able to register on the platform, create their profiles, and provide details such as skills, interests, and location. The system allowed students to view available local job opportunities and select suitable jobs based on their requirements.

The job listing module successfully displayed important information such as job title, description, required skills, location, payment, and duration. Students were able to apply for suitable jobs through the platform, and their applications were recorded in the system. The application management feature helped students track the status of their submitted applications.

The system provides a simple and user-friendly interface for students to search for local gig and part-time opportunities. By bringing student profiles and job opportunities together on a single platform, Earn Hub reduces the effort required to search for suitable work. The system also helps students utilize their skills, gain practical experience, and find flexible earning opportunities.

Figure 1: Earn Hub Home Page

The home page provides an overview of the Earn Hub platform and allows students to access registration and login options.

Figure 2: Student Registration Page

The registration page allows students to create an account by entering the required personal and skill-related information.

Figure 3: Student Dashboard

The student dashboard provides access to the student's profile, available jobs, and application-related information.

Figure 4: Job Listing Page

The job listing page displays available opportunities along with details such as required skills, location, payment, and

duration.

Figure 5: Job Application Page

The application page allows students to apply for suitable job opportunities through the platform.

Figure 6: Application Status

The application status section allows students to view and track the status of their submitted job applications.

VI. CONCLUSION

The proposed **Earn Hub: A Student-Centric Local Gig Marketplace** provides a simple and effective platform for connecting students with local, part-time, and short-term job opportunities. The system allows students to create profiles by providing their skills, interests, and location and helps them find suitable job opportunities through a centralized platform.

The proposed system makes the job search process easier by providing important job details such as required skills, location, payment, and duration. Students can apply for suitable jobs and track their application status through the platform. Earn Hub helps students utilize their skills, gain practical experience, and find flexible earning opportunities.

Overall, the proposed system provides a user-friendly solution for student-focused employment and local gig opportunities. It reduces the effort involved in searching for suitable jobs and provides an organized platform for students and job providers to connect.

VII. FUTURE ENHANCEMENT

The Earn Hub system can be further improved with the following features:

- Add location-based job recommendations using GPS.
- Develop a mobile application for Android and iOS platforms.
- Integrate secure online payment facilities.
- Add real-time chat between students and job providers.
- Introduce student and job-provider verification.
- Add AI-based skill matching between students and jobs.
- Provide email and SMS notifications for new jobs and application updates.
- Add advanced analytics and reports for students and job providers.
- Integrate skill-gap analysis and course recommendations to help students improve their employability.

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