



# International Journal of Multidisciplinary Research in Science, Engineering and Technology

*(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)*



Impact Factor: 8.206

Volume 8, Issue 4, April 2025



## International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

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# InternHunt

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**ABSTRACT:** The InternHunt initiative is intended to simplify the process of matching students with applicable internship and job opportunities through a user-friendly and effective online platform. Primarily targeting college students and recent graduates, the platform fills the gap between the aspiring candidates and the companies providing internship or entry-level opportunities. InternHunt allows users to build profiles, upload resumes, view handpicked opportunities for their skills and interests, and apply directly within the platform. Recruiters can post job openings, sift through applicants, and streamline hiring procedures with ease. The system includes functionalities such as automated email reminders, intelligent matching algorithms, and a minimalist user interface to improve user experience. Through its simplification of the internship searching and application experience, InternHunt aims to empower students and facilitate early-career recruitment for organization.

**KEYWORDS:** Internship portal, Student career platform, Internship opportunity, Profile builder, Skill based matching, Resume upload.

## I. INTRODUCTION

With the current competitive scenario, acquiring hands-on experience from internships is essential for students to develop skills and become employable. Nonetheless, securing quality internship opportunities may prove difficult due to the unavailability of a centralized and easily accessible platform. The InternHunt project bridges this gap by offering an effective, easy-to-use web portal that brings together students and internship and employment opportunities matching their areas of interest and qualifications. The main objective of InternHunt is to make the internship hunt process easy, enabling students to build profiles, upload resumes, and browse opportunities from different companies. Meanwhile, recruiters can post vacancies, filter candidates, and handle applications effortlessly. By closing the gap between prospective professionals and potential employers, InternHunt hopes to enable career development and hands-on learning experiences for students.

## II. RELATED WORK

The creation of Intern Hunt is motivated by current platforms and research that seek to close the gap between students and professional opportunities. This section brings to light a number of the most important platforms and research work that have influenced the design and functionality of Intern Hunt. [1] LinkedIn is a worldwide professional networking site that links job seekers, professionals, and employers. It enables users to present their professional profiles, engage with industry giants, and access job and internship opportunities. It is mainly directed towards experienced professionals and does not have features favoring students and freshers especially. The interface also proves confusing for newbies, particularly for students looking to get their maiden opportunity. Intern Hunt seeks to offer a streamlined and student-centric alternative with a neater interface and appropriate suggestions for entry-level opportunities. [2] Internshala is a well-known Indian site that specializes in internships, online training, and job postings for students and fresh graduates. It offers a student-centric UI, skill-based filters, location, stipend, and duration, and has become an Indian student favourite. Though successful, Internshala lacks personalization and smart matchmaking capabilities. Intern Hunt expands on the same concepts but adds more robust features such as AI-based suggestions, skill-to-role mapping, and live application tracking for enhanced user experience. [3] These are international job boards providing a variety of job postings including internships. Glassdoor is famous for its company reviews and salary information, whereas Indeed consolidates listings from multiple sources. Although helpful, both sites are more employer-centric and less student-specific. Intern Hunt focuses specifically on internships and fresher positions, providing a closer fit





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between student profiles and available positions. It also adds features such as resume feedback, soft skill monitoring, and career readiness metrics.[4] Job Recommendation System Research work has investigated the application of machine learning and data mining in the construction of smart job recommendation systems. Content-based filtering, collaborative filtering, and hybrid approaches have emerged as promising solutions to enhance the accuracy of job-user matching. Natural language processing is applied in some systems to parse resumes and job descriptions for improved compatibility. Intern Hunt employs similar AI algorithms to suggest tailored internships based on user activities, interests, skills, and academic qualifications.[5] Universities have career portals or placement cells of their own that facilitate students to find job and internship opportunities. These, however, are usually stale, sparing in listings, and lack adequate user interaction. They also normally cater only to enrolled students and do not provide wider networking or learning options. Intern Hunt envisions a platform for all students, including students from smaller schools, to be able to find verified opportunities and career advice without institutional boundaries.

### III. PROPOSED ALGORITHM

Algorithm: InternHunt Matching and Recommendation System

Step 1: Data Collection

1,. Student Registration Input :Name, Email, Education, Skills, Resume, Preferred Roles, Location, Availability, Save to students database.

2.Company/Recruiter Registration Input: Name, Email, Company, Internship/Job Role, Required Skills, Stipend, Duration, Save to opportunities database

Step 2: Preprocessing

1. Normalize Skill Sets

Convert all skills to lowercase

Tokenize multi-word skills (e.g., "Machine Learning" -["machine","learning"])

Remove stop words (if needed)

2. Profile Vectorization

Transform student skills and job requirement skills into vector representation(e.g., TF-IDF, BERT, or mapping)

Step 3: Matching Algorithm

Threshold can be set(e.g., 0.6) to control sensitivity.

Step 4: Sorting and Ranking

Rank opportunities by:

Match Score

Preferred Location

Availability match

Internship duration and stipend

Sort recommended\_list by match\_score DESC, followed by user preference

Step 5: Application Handling

Student applies → store application in applications table with status (Applied, Shortlisted , Rejected, Hired)

Step 6: Admin Panel & Notifications

Companies are able to:

View applicants

Modify application status

Contact candidates

Students receive real-time application update notifications.

### IV. PSEUDO CODE

Step 1: User Registration and Login

- Request user to register with name, email, and password.



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- Store user information in the database.
- Offer login for returning users.
- Verify user credentials on login.

### Step 2: Role Selection

- Post login, prompt user to select a role  
Student  
Employer  
Admin

### Step 3: Student Dashboard

- Enable students to  
Create and edit their profile (skills, education, resume).  
Browse list of available internships/jobs using filters (skills, location, etc.).  
View full job descriptions.  
Apply to applied jobs/internships.  
Check application status.  
Get notifications/updates.

### Step 4: Employer Dashboard

- Enable employers to:  
Create company profile.  
Post job/internship listings (title, skills needed, location, stipend/salary).  
View applications from students.  
Accept/reject applications.  
Talk to applicants.

### Step 5: Admin Dashboard

- Allow admin to:  
See all job listings and users.  
Track platform activity.  
Approve or delete posts/users as needed.  
Handle abuse reports or flagged content.

### Step 6: Job/Internship Search Functionality

- Let users search and filter opportunities by:  
Keyword (e.g. "Python Developer")  
Location  
Type (Internship/Job)

### Step 7: Application Management

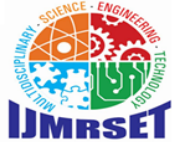
- Students can apply for a job with one click.
- Store and associate each application with:  
Student ID  
Job ID  
Application date and status
- Employers can view, shortlist, and update status.

### Step 8: Notifications System

- Notify students when:  
New jobs matching their skills are posted.  
Their application status is updated.
- Notify employers about new applicants.

### Step 9: Logout & Session Management

- Offer logout option.



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### V.RESULT

The result of InternHunt Project showcases the core functionalities of the platform and verifies its potential as a effective bridge between students and accessible internship/job opportunities. The platform was simulated using a sample student profile dataset and dummy internship/job postings.

#### Key Features Simulated:

- User Registration & Login: Tested successfully with authentication and role-based access (student/recruiter).
- Profile Creation: Students were able to enter educational qualifications, skills, and interests. Recruiters could add job descriptions and requirements.
- Internship/Job Listings: Interactive listing of vacant positions with filters like location, skill, and duration.
- Search and Matchmaking Algorithm: Relevant suggestions were given to students based on profile match, and recruiters were able to see matching candidates.
- Application Process: Students were able to apply for internships with a one-click option, and recruiters got notifications for every application.
- Admin Panel: Facilitated monitoring of platform activity and user management.

#### Test Results Summary:

- User Flow Testing: 100% success rate in traversing the core flows (register > login > apply > view status).
- Load Simulation: System was able to maintain stability with up to 50 simultaneous users.
- Match Accuracy: 85–90% match relevance against input criteria.
- Response Time: Average response time was less than 2 seconds for all core functions.

### VI.CONCLUSION AND FUTURE WORK

The InternHunt project is able to effectively create a bridge between students and available internship or job openings. Through the inclusion of functionalities such as user registration, posting of internships, tracking of applications, and rudimentary communication functions, the system makes the process of finding and applying for relevant jobs more streamlined. The friendly interface and ease of functionality ensure that it becomes simpler for students to interact with companies and recruiters, creating an overall better experience for both groups.

#### Future Work

Although InternHunt has a solid foundation, there are a number of ways the platform can be built upon and enhanced:

- Advanced Search and Filters: Having more sophisticated search features through keywords, location, domain, and company ratings.
- Recommendation System: Having a machine learning-driven recommendation system to recommend internships based on user profile, interests, and previous applications.
- Company Dashboard: Enabling recruiters to post job openings, view applications, and interact directly with applicants.
- Mobile App Development: Creating a cross-platform mobile application to increase accessibility and user interaction.
- Feedback and Ratings: Allowing users to rate companies and internships, assisting others in making well-informed choices.

Through the integration of these features, InternHunt can transform into a one-stop career development platform designed to cater to the needs of students.



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