



**TECHNOLOGICAL INSTITUTE
OF THE PHILIPPINES**

Manila Campus

1338 Arlegui Street, Quiapo Manila

CIT 511 - Web System and Technologies 2

College of Computer Studies

Worksy: A Docker-Based Web Application for Streamlining Job Search and Recruitment with AI Chatbot

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Project Overview

Worksy is an innovative AI platform to assist job seekers in refining their resumes' through an intelligent chatbot. The chatbot provides personalized feedback and suggestions to enhance resume content, ensuring that applicants effectively present their skills and experiences.

In addition, Worksy aims to streamline the job posting process, and search experience by filtering opportunities that align with their skills and based on user qualifications. Our platform fosters transparency in the recruitment process making it easier for job seekers to understand their application status.

We prioritize the safety and security of users by utilizing third-party account authentication such as logging in through Telegram, Google, and GitHub to ensure a safe experience for all users.

Objective

This project aims to develop a free, Docker-based web application job search and recruitment application that leverages an artificial intelligence powered chatbot to help job seekers refine their resumes for better visibility among recruiters. Unlike subscription-based job portals, this platform provides unlimited access to users, ensuring that everyone can benefit from AI-driven resume enhancement without financial barriers. Additionally, it features an interactive and user-friendly interface. By automating the resume refinement process and improving search and filter accessibility, this project aims to empower job seekers with the tools they need to enhance their chances of getting hired in their desired jobs.

Statement of the Problem

General Problem

One of the most significant limitations of existing job search platforms is their lack of AI-driven automation. Job seekers are often required to manually enhance their resumes to fit different job postings without clear guidance on how to improve their content for better visibility and effectiveness. Without intelligent feedback, applicants may unknowingly submit resumes that fail to highlight their strengths, leading to a lower chance of success in getting a job.

Many subscription-based job portals like LinkedIn Premium, Glassdoor and FlexJobs require applicants to pay for access to job listings or direct messaging features. This creates a barrier for job seekers, especially those actively looking for employment but unable to afford monthly subscriptions. On the other hand, platforms like Indeed and JobStreet often feature excessive job advertisements and listings, making the search process difficult and inefficient.

Security and authentication are also major concerns in other job platforms. Many systems rely on standard email-password login methods, which are susceptible to attacks like phishing, leaks, and hacking attempts. Without secure authentication mechanisms such as OAuth-based third-party login options like Google, Telegram, Github, and Facebook, users are forced to create multiple accounts across different job portals, increasing the risk of password and account reuse.

Specific Problems:

- **User Experience and Accessibility** (*Frontend Issues*)
 - Job seekers struggle to optimize their resumes due to non-interactive and static designs in existing platforms.
 - Difficulty in tracking application progress due to poor UI/ UX design and missing applicant status updates.
- **Data Processing and AI Integration** (*Backend Issues*)
 - Current platforms do not integrate Natural Language Processing to analyze and enhance resumes.
- **Lack of Personalized Resume Feedback** (*Social Issue*)
 - Many job seekers do not receive tailored advice on how to improve their resumes, which can result in missed opportunities to effectively showcase their skills and experiences.

Scope and Limitations

Scope

This project focuses on developing a free, Docker-based job search and recruitment application with an AI-powered chatbot. Key features include:

- **AI-Powered Chatbot for Job Seekers:** Provides real-time responses to user inquiries related to job searching, resume optimization advice, and application processes.
- **User-friendly and Interactive Interface:** Designed for accessibility, ensuring a smooth user experience for job seekers navigating through job searches.
- **Search and Filter Accessibility:** Enable users to efficiently find relevant job postings through advanced search and filtering options.
- **Secure Authentication:** Implements OAuth-based authentication like Google, Telegram, and Github to enhance security and user experience.

Limitations

While the platform enhances job-seeking efficiency, there are some constraints on the web applications. Like the following:

- **No Automated Resume Optimization:** Resume improvement remains user-driven, with AI offering general guidance rather than direct modifications.
- **No Direct Job Placement:** The platform does not guarantee job placement the recruiter will decide to accept or reject the applicant.
- **Limited Personalization in AI Responses:** While the chatbot provides and answer the job seekers queries, it does not tailor responses to specific industries or career path.
- **Internet Dependency:** Users must have an active internet connection to access the platforms and interact with the AI chatbot
- **Security Risk with Third-Party Authentication:** Although Django-AllAuth is utilized to enhance the security, users still depend on external authentication providers for account access.

Significance of the Study

The development of Worksy, a Docker-based AI-powered search and recruitment application, aims to address the inefficiencies of existing job portals by leveraging artificial intelligence to enhance the job-seeking experience. Our project will benefit the following:

1. For Job Applicants

Worksy offers an approach to job searching by providing AI-driven resume feedback that helps applicants optimize their resumes for better visibility. Additionally, Worksy enhances security and accessibility by implementing OAuth-based third-party authentication, allowing users to log in seamlessly through platforms like Google, Telegram, and Github.

2. For Recruiters

The platform minimizes the volume of unqualified applications by guiding job seekers to refine their resumes before submission, improving the overall quality of applicants. Worksy also enhances job posting accessibility, ensuring that recruiters' listings reach the most relevant candidates, hence improving the efficiency of the recruitment process.

3. For Organizations and the Tech Industry

The system showcases the potential of Natural Language Processing (NLP) in revolutionizing recruitment platforms. The integration of AI chatbots for resume evaluation and job filtering demonstrates a modern approach to job searches.

4. For Future Researchers and Developers

Worksy serves as a foundational study on the impact of AI-driven recruitment technologies. The project provides valuable insights into automated resume assessment and authentication methods in job portals. This also contributes to ongoing research about the importance of free and open access job platforms, encouraging further innovation in the field of recruitment technology.

Development Status

Task Allocation Table

Members	Role/Responsibility
Rianne Grace Dela Rosa	Backend Programmer
Lloyd Aldrich Angara	Backend Programmer
Eunice D. Ibardaloza	Frontend Programmer
Jenny Mae Colo	Frontend Programmer
Patricia Nicole Delfino	Frontend Programmer

Timeline with Milestones

Tasks	Members	Deadline	Status
Research on relevant content in the project	Eunice	March 27, 2025	Finished
Flowchart and ER Diagram	Jenny and Patricia	Apr 3, 2025	On-going
Project Development (Authentication, Wireframe, Flowchart, ERD, and Front-end)	Lloyd and Rianne	Mar 27, 2025	On-going
Reviewing of Progress Report	All Members	March 27, 2025	Pending

Methodology

Our Docker-based web application utilized different frameworks and technology such as:

1. Planning and Requirement Gathering

The job portal development needs a clear definition of functionality to handle job postings and resume assessment, and AI-based chatbot support. Efforts must focus on recognizing major stakeholder groups, including job seekers, employers, and administration, because they require distinct functionalities. Accomplishing proper development requires collecting both functional and non-functional requirements. Users experience visualization, and system data movements appear through wireframe drawings and diagram displays that developers create using the Draw.io platform.

2. System Architecture and Design

Django MVT framework establishes a structured system structure for development purposes. Bootstrap templates combined with extensive icons provide a responsive front-end design to create an attractive user interface. The system uses PostgreSQL or MySQL backend database schema that stores information about job listings and user profiles and applications and chatbot interactions. Job recommendation features along with resume assessment capabilities serve as planned core features that the AI chatbot will integrate smoothly into the system.

3. Frontend and Backend Development

The front-end development utilizes Django's template engine, while Bootstrap provides styles that enhance both the appearance and adaptability of the interface. The application's main pages consist of Home, Job Listings for candidates, Employer Dashboard with administrative functions, and Candidate Profile for management. The application backend runs on Django models to handle Users, Jobs, Applications, and Chatbot Messages. The creation of RESTful APIs exists to help integrate AI chatbots while processing data in real time.

4. Testing and Debugging

Different testing methodologies enable the maintenance of reliability and functionality for the job portal system. The built-in test framework of Django enables unit testing, which evaluates individual components. Testing between APIs and chatbot functionalities occurs through integration testing to verify smooth communication. The User Acceptance Testing (UAT) phase includes evaluations from both job seekers and employers to generate feedback, which helps improve portal usability. System debugging takes place during all stages of development for fixing encountered issues.


5. Deployment of the Website

This job portal utilizes Docker which provides easy web application deployment along with hosting solutions. The Django backend and frontend operate from Docker together with PostgreSQL database administration that occurs through Docker database services. Our system uses automated GitHub deployment to keep the application always updated after repository commits. The system uses secure environment variable handling together with performance enhancement configurations for better scalability.

6. Communication and Collaboration

The version control system uses GitHub Desktop while project documentation stays on Google Drive for management purposes. Through Google Meet the team benefits from regular communication and collaborative functions that ensure efficient discussions as well as updates and troubleshooting happen smoothly through development.

Screenshots of Frameworks

 **Worksy** Home Browse Jobs Recommendations Post a Job Login Register

Find Your Dream Job





Discover thousand of job opportunities with AI-powered matching


Feature Jobs


[View All Jobs](#)


[Search Jobs](#)


Browse Jobs by Category


 **Worksy** Home Browse Jobs Recommendations Post a Job    **user**





User_Name
No bio provided
 user_name@gmail.com

 **Personal Information**
No information provided.

 **Education**
No information provided.

 **Work Experience**
No information provided.

 **Skill**
No information provided.

 **Recent Applications**
No information provided.



Edit Profile

Basic Information

Permanent Address

Bio

Profile Picture

Choose File

Resume

Choose File

Save Changes



My Applications

Track the status of your job applications.



My Applications Found

You haven't applied to any jobs in this category yet.

Browse Jobs



Worksy

[Home](#)

[Browse Jobs](#)

[Recommendations](#)

[Post a Job](#)



user

Jobs You've Posted

[+ Post New Job](#)



No Jobs Posted

You haven't posted any jobs yet.

[+ Post a Job](#)

[Worksy](#)

[For Employers](#)

[For Job Seekers](#)

[Contact Us](#)



Worksy

[Home](#)

[Browse Jobs](#)

[Recommendations](#)

[Post a Job](#)



user



Search Jobs

Keyword

Location

Category

Job Type

Job title, keywords, company

Location

All Categories

All Types



Available Jobs

0 jobs found



No Jobs Found

Try adjusting your search criteria or check back later for new job posting

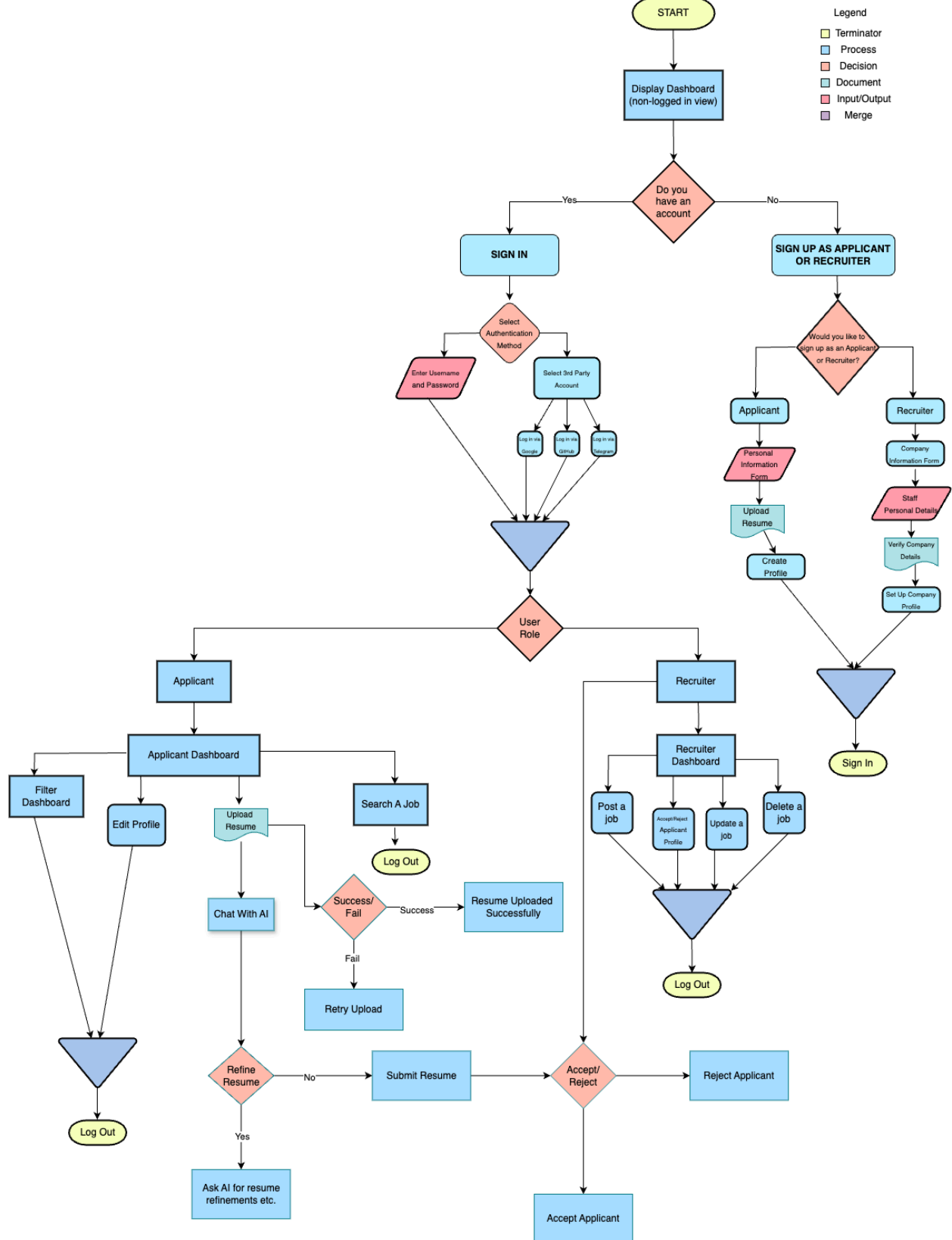
[Worksy](#)

[For Employers](#)

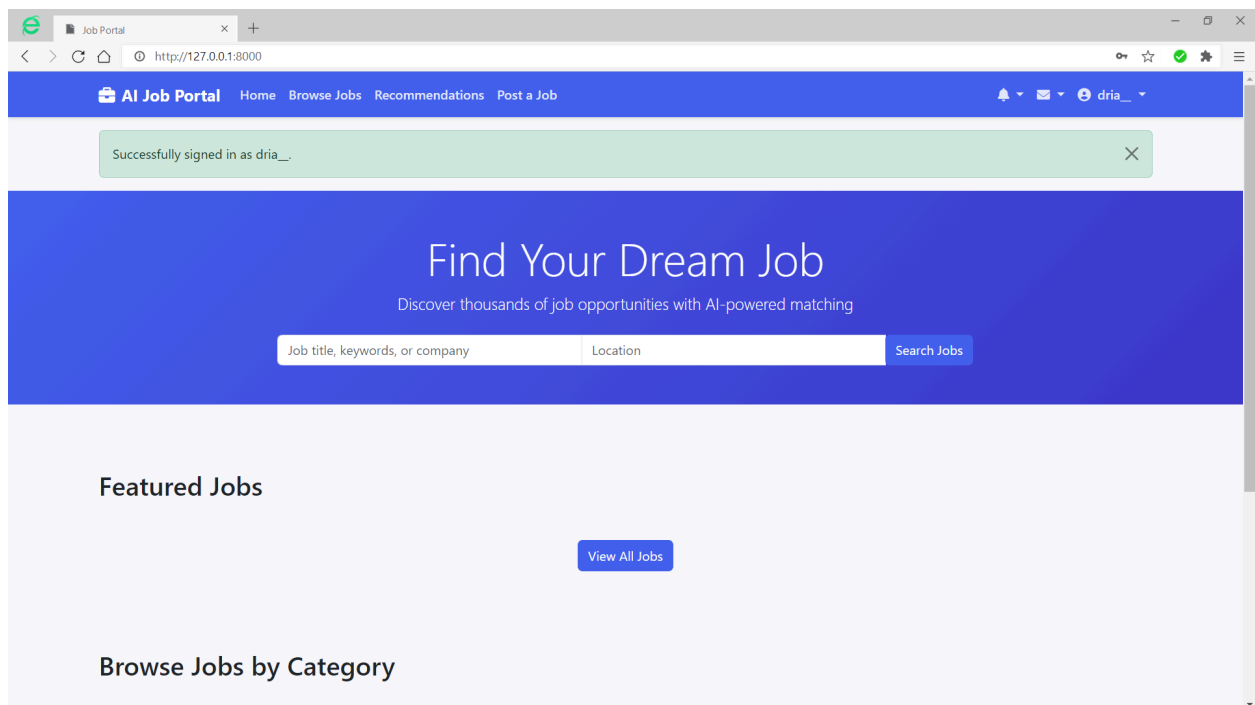
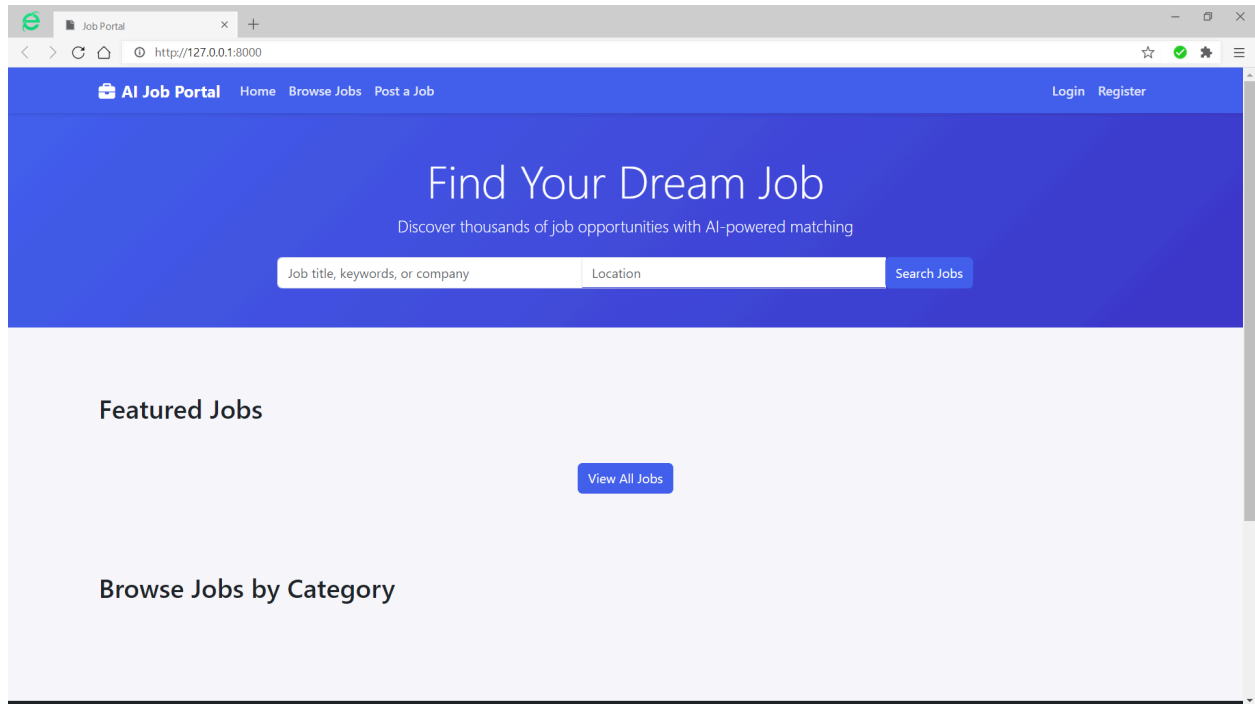
[For Job Seekers](#)

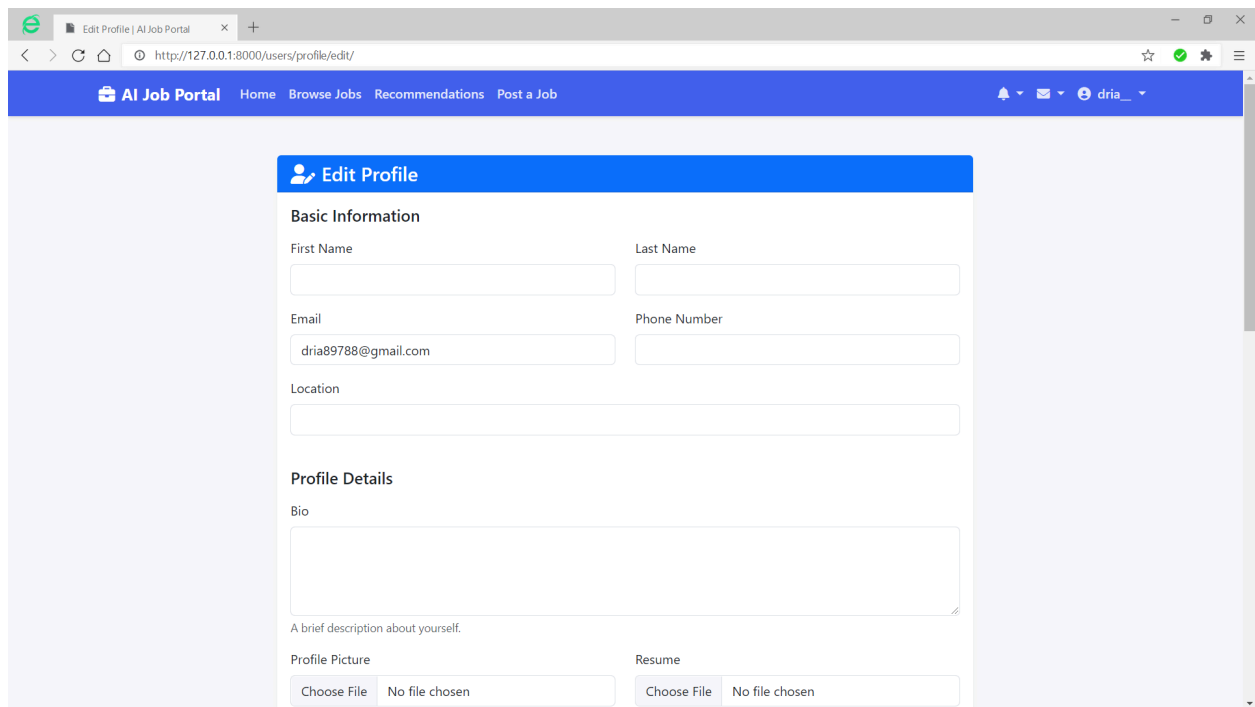
[Contact Us](#)

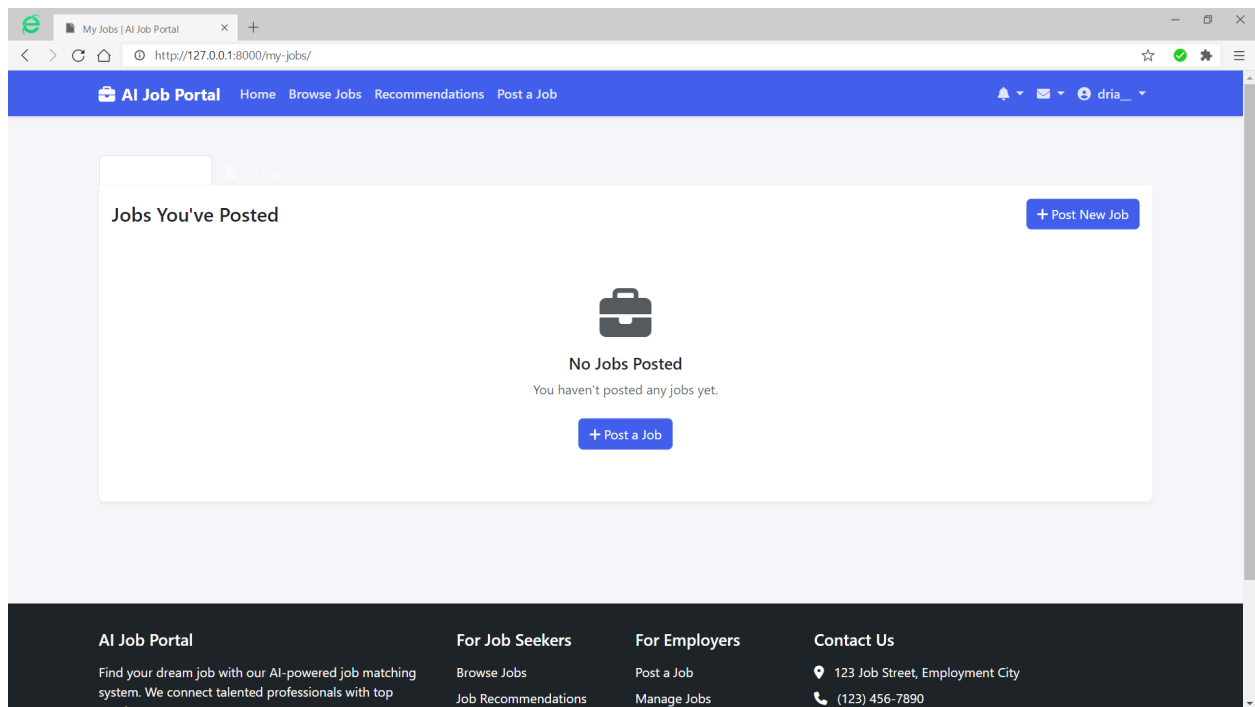
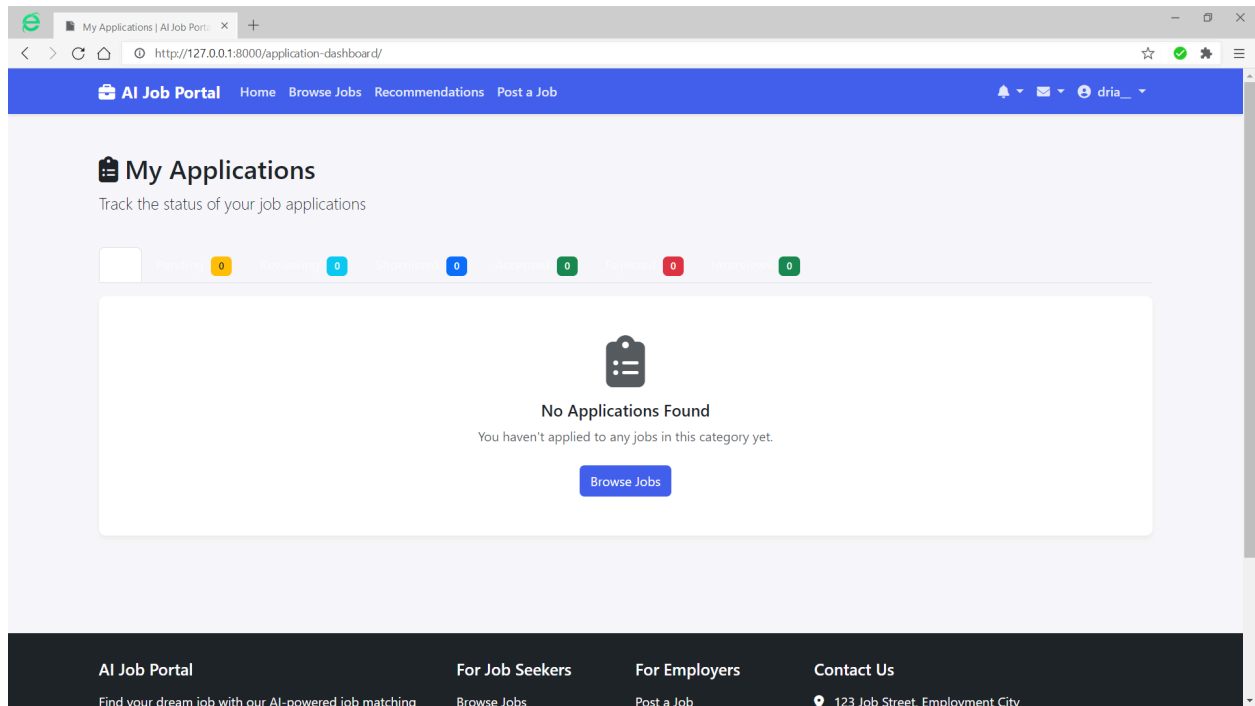
JOB PORTAL FLOWCHART

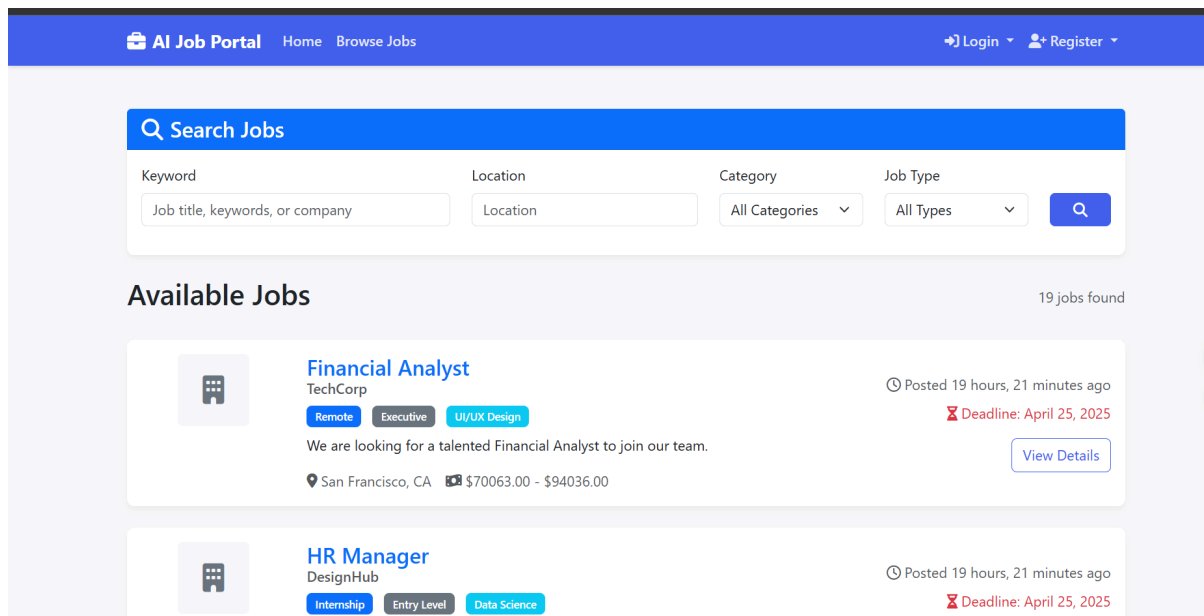
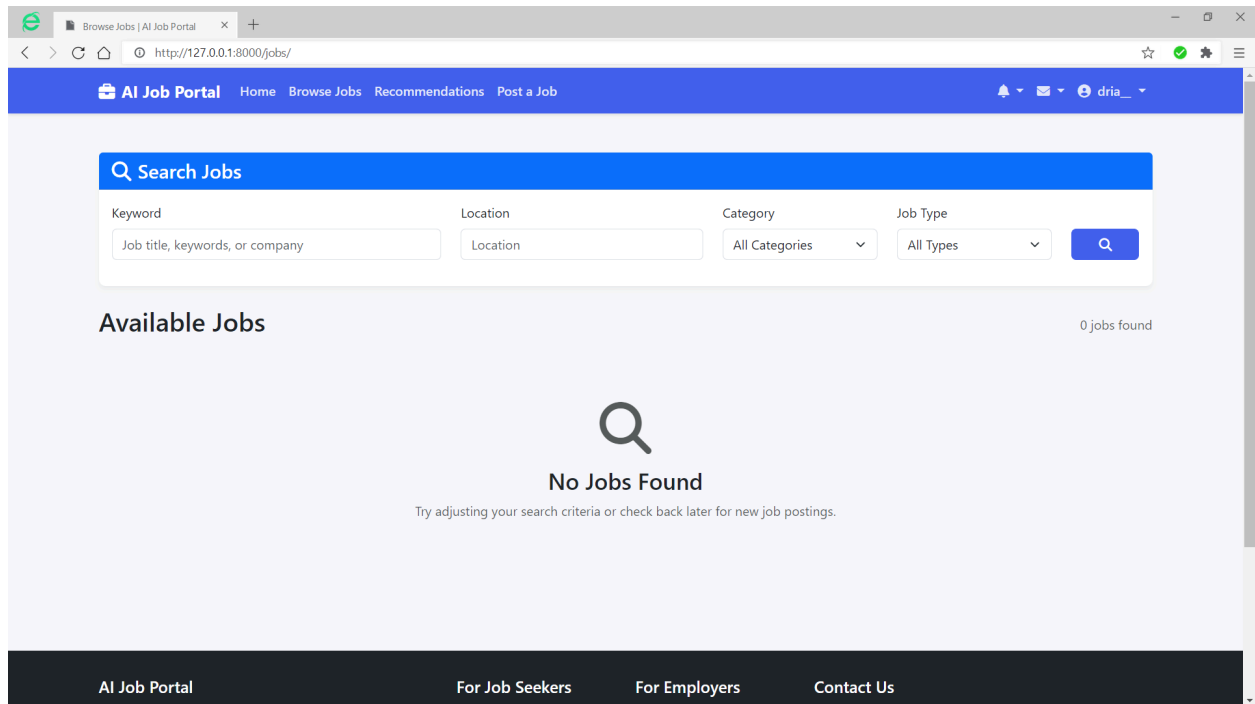


Screenshots of Implemented Features









Meeting Report

2025-03-22 20:50 azi-emby-iwj Attendance Report

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Q Menus

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"File Sensitivity" label was applied to this file and set to "Internal" automatically

A1 | First name

	A	B	C	D	E	F
1	First name	Last name	Email	Duration	Time joined	Time exited
2	Lloyd	Angara	lloy*****@***.com	1 hr 12 min	9:05 PM	10:17 PM
3	JENNY MAE	COLO	mjmcolo@tip.edu.ph	1 hr 30 min	8:51 PM	10:20 PM
4	RIANNE GRACE	DELA ROSA	mrgdelarosa1@tip.edu.ph	1 hr 5 min	9:16 PM	10:20 PM
5	Patricia	Delfino	pdel*****@***.com	1 hr 22 min	8:59 PM	10:20 PM
6	EUNICE	IBARDALOZA	meibardaloza@tip.edu.ph	1 hr 22 min	8:59 PM	10:20 PM

2025-03-27 19:00 azi-emby-iwj Attendance Report

File Edit View Insert Format Data Tools Extensions Help

Q Menus

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B *I*

"File Sensitivity" label was applied to this file and set to "Internal" automatically

M8 |

	A	B	C	D	E	F
1	First name	Last name	Email	Duration	Time joined	Time exited
2	Lloyd	Angara	lloy*****@***.com	1 hr 55 min	6:05 PM	8:00 PM
3	JENNY MAE	COLO	mjmcolo@tip.edu.ph	2 hr 0 min	6:00 PM	8:00 PM
4	RIANNE GRACE	DELA ROSA	mrgdelarosa1@tip.edu.ph	2 hr 0 min	6:00 PM	8:00 PM
5	Patricia	Delfino	pdel*****@***.com	2 hr 0 min	6:00 PM	8:00 PM
6	EUNICE	IBARDALOZA	meibardaloza@tip.edu.ph	2 hr 0 min	6:00 PM	8:00 PM

Code Explanations

applicant_dashboard.html

```
{% extends 'base.html' %}

{% block title %}Job Seeker Dashboard | AI Job Portal{% endblock %}

{% block content %}

<div class="container py-5">
  <!-- Welcome Banner -->
  <div class="row mb-4">
    <div class="col-12">
      <div class="card bg-primary text-white">
        <div class="card-body p-4">
          <div class="row align-items-center">
            <div class="col-md-8">
              <h2 class="mb-2">Welcome, {{ user.first_name|default:user.username }}!</h2>
              <p class="lead mb-0">Find your dream job with AI-powered matching and personalized recommendations.</p>
            </div>
            <div class="col-md-4 text-md-end mt-3 mt-md-0">
              <a href="{% url 'job_list' %}" class="btn btn-light btn-lg">
                <i class="fas fa-search me-2"></i>Browse Jobs
              </a>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

  <!-- Quick Stats -->
  <div class="row mb-4">
    <div class="col-md-3">
      <div class="card bg-info text-white mb-4">
        <div class="card-body">
          <div class="d-flex justify-content-between align-items-center">
            <div>
              <h3>Total Jobs</h3>
              <p>1,234</p>
            </div>
            <div>
              <h3>New Applicants</h3>
              <p>567</p>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

  <div class="row">
    <div class="col-md-6">
      <div class="card bg-white mb-4">
        <div class="card-body">
          <h3>Recommended Jobs</h3>
          <table>
            <thead>
              <tr>
                <th>Job Title</th>
                <th>Company</th>
                <th>Location</th>
                <th>Salary</th>
                <th>Status</th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td>Software Engineer</td>
                <td>Tech Corp</td>
                <td>Remote</td>
                <td>$120,000</td>
                <td>Open</td>
              </tr>
              <tr>
                <td>Product Manager</td>
                <td>Innovate Inc</td>
                <td>New York</td>
                <td>$150,000</td>
                <td>Open</td>
              </tr>
              <tr>
                <td>Data Analyst</td>
                <td>Analytics Pro</td>
                <td>San Francisco</td>
                <td>$90,000</td>
                <td>Open</td>
              </tr>
            </tbody>
          </table>
        </div>
      </div>
    </div>
    <div class="col-md-6">
      <div class="card bg-white mb-4">
        <div class="card-body">
          <h3>Your Applications</h3>
          <table>
            <thead>
              <tr>
                <th>Job Title</th>
                <th>Company</th>
                <th>Date Applied</th>
                <th>Status</th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td>Software Engineer</td>
                <td>Tech Corp</td>
                <td>2023-10-26</td>
                <td>Interviewing</td>
              </tr>
              <tr>
                <td>Product Manager</td>
                <td>Innovate Inc</td>
                <td>2023-10-25</td>
                <td>On Hold</td>
              </tr>
              <tr>
                <td>Data Analyst</td>
                <td>Analytics Pro</td>
                <td>2023-10-24</td>
                <td>Rejected</td>
              </tr>
            </tbody>
          </table>
        </div>
      </div>
    </div>
  </div>

  <div class="row">
    <div class="col-md-6">
      <div class="card bg-white mb-4">
        <div class="card-body">
          <h3>Recent Activity</h3>
          <table>
            <thead>
              <tr>
                <th>Event</th>
                <th>Date</th>
                <th>Details</th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td>Job Application</td>
                <td>2023-10-26</td>
                <td>Applied for Software Engineer at Tech Corp</td>
              </tr>
              <tr>
                <td>Interview</td>
                <td>2023-10-26</td>
                <td>Interviewed for Software Engineer at Tech Corp</td>
              </tr>
              <tr>
                <td>Application Status</td>
                <td>2023-10-26</td>
                <td>Your application for Software Engineer at Tech Corp is still open</td>
              </tr>
            </tbody>
          </table>
        </div>
      </div>
    </div>
    <div class="col-md-6">
      <div class="card bg-white mb-4">
        <div class="card-body">
          <h3>Job Alerts</h3>
          <table>
            <thead>
              <tr>
                <th>Job Title</th>
                <th>Company</th>
                <th>Location</th>
                <th>Salary</th>
                <th>Status</th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td>Software Engineer</td>
                <td>Tech Corp</td>
                <td>Remote</td>
                <td>$120,000</td>
                <td>Open</td>
              </tr>
              <tr>
                <td>Product Manager</td>
                <td>Innovate Inc</td>
                <td>New York</td>
                <td>$150,000</td>
                <td>Open</td>
              </tr>
              <tr>
                <td>Data Analyst</td>
                <td>Analytics Pro</td>
                <td>San Francisco</td>
                <td>$90,000</td>
                <td>Open</td>
              </tr>
            </tbody>
          </table>
        </div>
      </div>
    </div>
  </div>

  <div class="row">
    <div class="col-md-6">
      <div class="card bg-white mb-4">
        <div class="card-body">
          <h3>Your Profile</h3>
          <table>
            <thead>
              <tr>
                <th>Field</th>
                <th>Value</th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td>Name</td>
                <td>John Doe</td>
              </tr>
              <tr>
                <td>Email</td>
                <td>john.doe@example.com</td>
              </tr>
              <tr>
                <td>Phone</td>
                <td>+1 (555) 123-4567</td>
              </tr>
              <tr>
                <td>Address</td>
                <td>123 Main St, New York, NY 10001</td>
              </tr>
              <tr>
                <td>Resume</td>
                <td>Resume.pdf</td>
              </tr>
              <tr>
                <td>Cover Letter</td>
                <td>CoverLetter.docx</td>
              </tr>
            </tbody>
          </table>
        </div>
      </div>
    </div>
    <div class="col-md-6">
      <div class="card bg-white mb-4">
        <div class="card-body">
          <h3>Your Settings</h3>
          <table>
            <thead>
              <tr>
                <th>Setting</th>
                <th>Value</th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td>Profile Picture</td>
                <td>ProfilePicture.jpg</td>
              </tr>
              <tr>
                <td>Bio</td>
                <td>Software Engineer</td>
              </tr>
              <tr>
                <td>Location</td>
                <td>New York</td>
              </tr>
              <tr>
                <td>Email</td>
                <td>john.doe@example.com</td>
              </tr>
              <tr>
                <td>Phone</td>
                <td>+1 (555) 123-4567</td>
              </tr>
              <tr>
                <td>Address</td>
                <td>123 Main St, New York, NY 10001</td>
              </tr>
              <tr>
                <td>Resume</td>
                <td>Resume.pdf</td>
              </tr>
              <tr>
                <td>Cover Letter</td>
                <td>CoverLetter.docx</td>
              </tr>
            </tbody>
          </table>
        </div>
      </div>
    </div>
  </div>

  <div class="row">
    <div class="col-md-6">
      <div class="card bg-white mb-4">
        <div class="card-body">
          <h3>Your Reviews</h3>
          <table>
            <thead>
              <tr>
                <th>Job Title</th>
                <th>Company</th>
                <th>Rating</th>
                <th>Review</th>
              </tr>
            </thead>
            <tbody>
              <tr>
                <td>Software Engineer</td>
                <td>Tech Corp</td>
                <td>5</td>
                <td>Great experience, highly recommend</td>
              </tr>
              <tr>
                <td>Product Manager</td>
                <td>Innovate Inc</td>
                <td>4</td>
                <td>Good experience, some areas for improvement</td>
              </tr>
              <tr>
                <td>Data Analyst</td>
                <td>Analytics Pro</td>
                <td>3</td>
                <td>Average experience, could be better</td>
              </tr>
            </tbody>
          </table>
        </div>
      </div>
    </div>
    <div class="col-md-6">
      <div class="card bg-white mb-4">
        <div class="card-body">

```

```

        <h5 class="mb-0">Applications</h5>
        <p class="mb-0 fs-4">{{ applications.count }}</p>
    </div>
    <i class="fas fa-file-alt fa-3x opacity-50"></i>
</div>
</div>
<div class="card-footer d-flex align-items-center justify-content-between">
    <a href="{% url 'application_dashboard' %}" class="text-white text-decoration-none">View
Details</a>
    <i class="fas fa-angle-right text-white"></i>
</div>
</div>
</div>
<div class="col-md-3">
    <div class="card bg-success text-white mb-4">
        <div class="card-body">
            <div class="d-flex justify-content-between align-items-center">
                <div>
                    <h5 class="mb-0">Recommendations</h5>
                    <p class="mb-0 fs-4">{{ recommendations.count }}</p>
                </div>
                <i class="fas fa-thumbs-up fa-3x opacity-50"></i>
            </div>
            <div class="card-footer d-flex align-items-center justify-content-between">
                <a href="{% url 'job_recommendations' %}" class="text-white text-decoration-none">View
Details</a>
                <i class="fas fa-angle-right text-white"></i>
            </div>
        </div>
    </div>
    <div class="col-md-3">
        <div class="card bg-warning text-dark mb-4">
            <div class="card-body">
                <div class="d-flex justify-content-between align-items-center">
                    <div>
                        <h5 class="mb-0">Interviews</h5>
                        <p class="mb-0 fs-4">{{ interviews.count }}</p>
                    </div>

```



```

        <i class="fas fa-calendar-check fa-3x opacity-50"></i>
    </div>
</div>
<div class="card-footer d-flex align-items-center justify-content-between">
    <a href="{% url 'application_dashboard' %}" class="text-dark text-decoration-none">View
Details</a>
    <i class="fas fa-angle-right text-dark"></i>
</div>
</div>
</div>
<div class="col-md-3">
    <div class="card bg-primary text-white mb-4">
        <div class="card-body">
            <div class="d-flex justify-content-between align-items-center">
                <div>
                    <h5 class="mb-0">Profile Strength</h5>
                    <p class="mb-0 fs-4">{{ profile_strength }}%</p>
                </div>
                <i class="fas fa-user-check fa-3x opacity-50"></i>
            </div>
            <div class="card-footer d-flex align-items-center justify-content-between">
                <a href="{% url 'edit_profile' %}" class="text-white text-decoration-none">Improve Profile</a>
                <i class="fas fa-angle-right text-white"></i>
            </div>
        </div>
    </div>
</div>
</div>
<div class="row">
    <!-- Job Recommendations -->
    <div class="col-md-8">
        <div class="card mb-4">
            <div class="card-header bg-primary text-white d-flex justify-content-between align-items-center">
                <h5 class="mb-0"><i class="fas fa-thumbs-up me-2"></i>Recommended Jobs</h5>
                <a href="{% url 'job_recommendations' %}" class="btn btn-sm btn-light">View All</a>
            </div>
            <div class="card-body p-0">
                {% if recommendations %}

```

```

        <div class="list-group list-group-flush">
            {% for recommendation in recommendations|slice:".5" %}
                <a href="{% url 'job_detail' recommendation.job.id %}" class="list-group-item
list-group-item-action">
                    <div class="d-flex w-100 justify-content-between">
                        <h6 class="mb-1">{{ recommendation.job.title }}</h6>
                        <span class="badge bg-success">{{ recommendation.score|floatformat:0 }}%
Match</span>
                    </div>
                    <p class="mb-1">{{ recommendation.job.company.name }}</p>
                    <small class="text-muted">
                        <i class="fas fa-map-marker-alt me-1"></i>{{ recommendation.job.location }} |
                        <i class="fas fa-briefcase me-1"></i>{{ recommendation.job.get_job_type_display }}
                    </small>
                    </a>
                {% endfor %}
            </div>
            {% else %}
                <div class="text-center py-5">
                    <i class="fas fa-thumbs-up fa-4x text-muted mb-3"></i>
                    <h5>No Recommendations Yet</h5>
                    <p class="text-muted">Complete your profile to get personalized job recommendations.</p>
                    <a href="{% url 'edit_profile' %}" class="btn btn-primary mt-2">Complete Profile</a>
                </div>
            {% endif %}
        </div>
    </div>
</div>

<!-- Resume Assistant -->
<div class="col-md-4">
    <div class="card mb-4">
        <div class="card-header bg-primary text-white">
            <h5 class="mb-0"><i class="fas fa-robot me-2"></i>Resume Assistant</h5>
        </div>
        <div class="card-body">
            <div class="text-center mb-4">
                <i class="fas fa-robot fa-4x text-primary mb-3"></i>
                <h5>AI Resume Assistant</h5>
            </div>
        </div>
    </div>
</div>

```

```

        <p>Get personalized help with your resume, interview preparation, and job search
strategies.</p>
    </div>
    <div class="d-grid">
        <a href="{% url 'chatbot' %}" class="btn btn-primary">
            <i class="fas fa-comments me-2"></i>Start Chatting
        </a>
    </div>
</div>

<!-- Profile Completion -->
<div class="card">
    <div class="card-header bg-primary text-white">
        <h5 class="mb-0"><i class="fas fa-tasks me-2"></i>Profile Completion</h5>
    </div>
    <div class="card-body">
        <div class="mb-3">
            <div class="d-flex justify-content-between mb-1">
                <span>Profile Completion</span>
                <span>{{ profile_strength }}%</span>
            </div>
            <div class="progress">
                <div class="progress-bar bg-success" role="progressbar" data-width="{{ profile_strength }}"
aria-valuenow="{{ profile_strength }}" aria-valuemin="0" aria-valuemax="100"></div>
            </div>
        </div>
        <ul class="list-group list-group-flush mb-3">
            {% if not user.profile.resume %}
            <li class="list-group-item d-flex justify-content-between align-items-center">
                <span><i class="fas fa-file-alt text-danger me-2"></i>Upload Resume</span>
                <a href="{% url 'edit_profile' %}" class="btn btn-sm btn-outline-primary">Add</a>
            </li>
            {% endif %}
            {% if not user.profile.skills %}
            <li class="list-group-item d-flex justify-content-between align-items-center">
                <span><i class="fas fa-tools text-danger me-2"></i>Add Skills</span>
                <a href="{% url 'edit_profile' %}" class="btn btn-sm btn-outline-primary">Add</a>
            </li>
        </ul>
    </div>
</div>

```

```

    {% endif %}
    {% if not user.profile.experience %}
    <li class="list-group-item d-flex justify-content-between align-items-center">
      <span><i class="fas fa-briefcase text-danger me-2"></i>Add Experience</span>
      <a href="{% url 'edit_profile' %}" class="btn btn-sm btn-outline-primary">Add</a>
    </li>
    {% endif %}
    {% if not user.profile.education %}
    <li class="list-group-item d-flex justify-content-between align-items-center">
      <span><i class="fas fa-graduation-cap text-danger me-2"></i>Add Education</span>
      <a href="{% url 'edit_profile' %}" class="btn btn-sm btn-outline-primary">Add</a>
    </li>
    {% endif %}
  </ul>
  <div class="d-grid">
    <a href="{% url 'edit_profile' %}" class="btn btn-outline-primary">
      <i class="fas fa-user-edit me-2"></i>Complete Profile
    </a>
  </div>
</div>
</div>
</div>
</div>
</div>
{% endblock %}

{% block extra_css %}
<style>
.progress-bar[data-width] {
  width: var(--progress-width);
}
</style>
{% endblock %}

{% block extra_js %}
<script>
document.addEventListener('DOMContentLoaded', function() {
  // Set progress bar width
  const progressBars = document.querySelectorAll('.progress-bar[data-width]');

```

```

progressBars.forEach(bar => {
    const width = bar.getAttribute('data-width');
    bar.style.setProperty('--progress-width', width + '%');
});
});
</script>
{% endblock %}

```

application_dashboard

```

{% extends "base.html" %}
{% load static %}

{% block title %}My Applications | Job Portal{% endblock %}

{% block content %}
<div class="container py-5">
    <div class="row mb-4">
        <div class="col">
            <h2 class="mb-3">My Applications</h2>
            <div class="d-flex justify-content-between align-items-center">
                <div class="btn-group" role="group">
                    <button type="button" class="btn btn-outline-primary active" data-filter="all">All</button>
                    <button type="button" class="btn btn-outline-primary" data-filter="pending">Pending</button>
                    <button type="button" class="btn btn-outline-primary"
data-filter="reviewing">Reviewing</button>
                    <button type="button" class="btn btn-outline-primary" data-filter="accepted">Accepted</button>
                    <button type="button" class="btn btn-outline-primary" data-filter="rejected">Rejected</button>
                </div>
                <div class="dropdown">
                    <button class="btn btn-outline-secondary dropdown-toggle" type="button" id="sortDropdown"
data-bs-toggle="dropdown">
                        Sort by
                    </button>
                    <ul class="dropdown-menu">
                        <li><a class="dropdown-item active" href="#" data-sort="newest">Newest First</a></li>
                        <li><a class="dropdown-item" href="#" data-sort="oldest">Oldest First</a></li>

```

```

        <li><a class="dropdown-item" href="#" data-sort="company">Company Name</a></li>
        <li><a class="dropdown-item" href="#" data-sort="job">Job Title</a></li>
    </ul>
</div>
</div>
</div>
</div>
</div>

<div class="row">
    <div class="col">
        {% if applications %}
        <div class="table-responsive">
            <table class="table table-hover">
                <thead class="table-light">
                    <tr>
                        <th>Job Title</th>
                        <th>Company</th>
                        <th>Applied Date</th>
                        <th>Status</th>
                        <th>Last Updated</th>
                        <th>Actions</th>
                    </tr>
                </thead>
                <tbody>
                    {% for application in applications %}
                    <tr class="application-row" data-status="{{ application.status|lower }}">
                        <td>
                            <a href="{% url 'job_detail' application.job.id %}" class="text-decoration-none">
                                {{ application.job.title }}
                            </a>
                        </td>
                        <td>
                            <div class="d-flex align-items-center">
                                {% if application.job.company.logo %}
                                    
                                {% endif %}
                                {{ application.job.company.name }}
                            </div>
                        </td>
                    </tr>
                    {% endfor %}
                </tbody>
            </table>
        </div>
        {% else %}
            No applications found.
        </div>
    </div>
</div>

```

```

        </div>
      </td>
      <td>{{ application.applied_date|date:"M d, Y" }}</td>
      <td>
        <span class="badge bg-{{ application.status|lower }}">
          {{ application.get_status_display }}
        </span>
      </td>
      <td>{{ application.updated_at|date:"M d, Y" }}</td>
      <td>
        <div class="btn-group">
          <button type="button" class="btn btn-sm btn-outline-primary"
            data-bs-toggle="modal" data-bs-target="#applicationModal{{ application.id
}}">

            <i class="fas fa-eye"></i>
          </button>
          {% if application.status == 'PENDING' %}
            <form method="post" action="{% url 'withdraw_application' application.id %}"
              class="d-inline" onsubmit="return confirm('Are you sure you want to
withdraw this application?');">
              {% csrf_token %}
              <button type="submit" class="btn btn-sm btn-outline-danger">
                <i class="fas fa-times"></i>
              </button>
            </form>
          {% endif %}
        </div>
      </td>
    </tr>

    <!-- Application Details Modal -->
    <div class="modal fade" id="applicationModal{{ application.id }}" tabindex="-1">
      <div class="modal-dialog modal-lg">
        <div class="modal-content">
          <div class="modal-header">
            <h5 class="modal-title">Application Details</h5>
            <button type="button" class="btn-close" data-bs-dismiss="modal"></button>
          </div>
          <div class="modal-body">

```

```

<div class="row mb-4">
  <div class="col-md-8">
    <h4>{{ application.job.title }}</h4>
    <p class="text-muted mb-2">{{ application.job.company.name }}</p>
    <p class="mb-0">
      <i class="fas fa-map-marker-alt me-2"></i>
      {{ application.job.location }}
    </p>
  </div>
  <div class="col-md-4 text-md-end">
    <span class="badge bg-{{ application.status|lower }} mb-2">
      {{ application.get_status_display }}
    </span>
    <p class="small text-muted mb-0">
      Applied on {{ application.applied_date|date:"F d, Y" }}
    </p>
  </div>
</div>

<div class="row mb-4">
  <div class="col-md-6">
    <h6>Cover Letter</h6>
    <p>{{ application.cover_letter|linebreaks|default:"No cover letter
provided." }}</p>
  </div>
  <div class="col-md-6">
    <h6>Resume</h6>
    {% if application.resume %}
      <div class="d-flex align-items-center">
        <i class="fas fa-file-pdf fa-2x me-2"></i>
        <div>
          <a href="{{ application.resume.url }}" target="_blank"
            class="text-decoration-none">View Resume</a>
          <small class="text-muted d-block">
            Uploaded {{ application.resume.name|cut:"resumes/" }}
          </small>
        </div>
      </div>
    </div>
    {% else %}

```



```

        <p class="text-muted">No resume attached.</p>
        {% endif %}
    </div>
</div>

{% if application.status_updates.all %}
    <h6>Application Timeline</h6>
    <div class="timeline">
        {% for update in application.status_updates.all %}
            <div class="timeline-item">
                <div class="timeline-marker bg-{{ update.status|lower }}"></div>
                <div class="timeline-content">
                    <h6 class="mb-1">{{ update.get_status_display }}</h6>
                    <p class="small text-muted mb-0">
                        {{ update.created_at|date:"F d, Y" }}
                    </p>
                    {% if update.notes %}
                        <p class="mb-0">{{ update.notes }}</p>
                    {% endif %}
                </div>
            </div>
        {% endfor %}
    </div>
    <div class="modal-footer">
        <a href="{% url 'job_detail' application.job.id %}"
            class="btn btn-primary">View Job</a>
        <button type="button" class="btn btn-secondary"
            data-bs-dismiss="modal">Close</button>
    </div>
</div>
</div>
</div>
{% endfor %}
</tbody>
</table>
</div>

```

```

    {% if applications.has_other_pages %}
    <nav aria-label="Applications pagination" class="mt-4">
      <ul class="pagination justify-content-center">
        {% if applications.has_previous %}
        <li class="page-item">
          <a class="page-link" href="?page={{ applications.previous_page_number
}}">Previous</a>
        </li>
        {% else %}
        <li class="page-item disabled">
          <span class="page-link">Previous</span>
        </li>
        {% endif %}

        {% for num in applications.paginator.page_range %}
        {% if applications.number == num %}
        <li class="page-item active">
          <span class="page-link">{{ num }}</span>
        </li>
        {% else %}
        <li class="page-item">
          <a class="page-link" href="?page={{ num }}">{{ num }}</a>
        </li>
        {% endif %}
        {% endfor %}

        {% if applications.has_next %}
        <li class="page-item">
          <a class="page-link" href="?page={{ applications.next_page_number }}">Next</a>
        </li>
        {% else %}
        <li class="page-item disabled">
          <span class="page-link">Next</span>
        </li>
        {% endif %}
      </ul>
    </nav>
    {% endif %}
  {% else %}

```

```
<div class="text-center py-5">
  <i class="fas fa-clipboard-list fa-4x text-muted mb-3"></i>
  <h4>No Applications Yet</h4>
  <p class="text-muted">You haven't applied to any jobs yet.</p>
  <a href="{% url 'job_list' %}" class="btn btn-primary">
    <i class="fas fa-search me-2"></i>Browse Jobs
  </a>
</div>
{% endif %}
</div>
</div>
```

```
<style>
.timeline {
  position: relative;
  padding: 20px 0;
}

.timeline-item {
  position: relative;
  padding-left: 40px;
  margin-bottom: 20px;
}

.timeline-marker {
  position: absolute;
  left: 0;
  top: 0;
  width: 12px;
  height: 12px;
  border-radius: 50%;
}

.timeline-item::before {
  content: ";
  position: absolute;
  left: 5px;
  top: 12px;
```

```

    bottom: -20px;
    width: 2px;
    background-color: #e9ecef;
}

.timeline-item:last-child::before {
    display: none;
}

.badge.bg-pending { background-color: #ffc107; }
.badge.bg-reviewing { background-color: #17a2b8; }
.badge.bg-accepted { background-color: #28a745; }
.badge.bg-rejected { background-color: #dc3545; }

.timeline-marker.bg-pending { background-color: #ffc107; }
.timeline-marker.bg-reviewing { background-color: #17a2b8; }
.timeline-marker.bg-accepted { background-color: #28a745; }
.timeline-marker.bg-rejected { background-color: #dc3545; }
</style>
{% endblock %}

{% block extra_js %}
<script>
document.addEventListener('DOMContentLoaded', function() {
    // Filter applications
    const filterButtons = document.querySelectorAll('[data-filter]');
    const applicationRows = document.querySelectorAll('.application-row');

    filterButtons.forEach(button => {
        button.addEventListener('click', () => {
            const filter = button.dataset.filter;

            filterButtons.forEach(btn => btn.classList.remove('active'));
            button.classList.add('active');

            applicationRows.forEach(row => {
                if (filter === 'all' || row.dataset.status === filter) {
                    row.style.display = "";
                } else {

```

```

        row.style.display = 'none';
    }
});
});
});

// Sort applications
const sortLinks = document.querySelectorAll('[data-sort]');
const tbody = document.querySelector('tbody');

sortLinks.forEach(link => {
    link.addEventListener('click', (e) => {
        e.preventDefault();

        sortLinks.forEach(l => l.classList.remove('active'));
        link.classList.add('active');

        const sort = link.dataset.sort;
        const rows = Array.from(applicationRows);

        rows.sort((a, b) => {
            let aVal, bVal;

            switch(sort) {
                case 'newest':
                    aVal = new Date(a.children[2].textContent);
                    bVal = new Date(b.children[2].textContent);
                    return bVal - aVal;
                case 'oldest':
                    aVal = new Date(a.children[2].textContent);
                    bVal = new Date(b.children[2].textContent);
                    return aVal - bVal;
                case 'company':
                    aVal = a.children[1].textContent.trim();
                    bVal = b.children[1].textContent.trim();
                    return aVal.localeCompare(bVal);
                case 'job':
                    aVal = a.children[0].textContent.trim();
                    bVal = b.children[0].textContent.trim();

```

```
        return aVal.localeCompare(bVal);
    }
});

rows.forEach(row => tbody.appendChild(row));
});
});
</script>
{% endblock %}
```

References:

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<https://www.linkedin.com/pulse/pros-cons-job-posting-technology-age-christy-moon>

Thakkar N. (2024). *Transform Your Hiring Process With AI-Powered Candidate Matching Technology*.
<https://www.oleeo.com/blog/candidate-matching/>