MINI PROJECT

Submitted By :   **Scrum Master:**

Nithasha Babu Raj   Ms. Jetty Benjamin
RMCA B   Asst Professor
18   AJCE

Ability Assessment System and Job Portal

Abstract

Ability Assessment System aims to analyse the capabilities of the job seekers and helps to apply for jobs that suits best for their requirements and skillset. Job Portal is where jobs can be created, updated, viewed and various jobs can be applied by job seekers. Assessments can be conducted to analyze the skillset of jobseekers and to get personalized recommendations on where to improve their skills to match with the current requirements of the industry.

Admin-
The administrator/admin organization/admin manages the overall functionality of the website. Each users are verified, and activities are managed and monitored by admin.

Recruiters/ Recruiting Company-
Recruiters post the details about each job and analyze the applied candidates for the job.

Employees-
The employees add various details regarding the test and the results of each candidate can be viewed

Job Seekers-
Job seekers can apply for the post which fulfills their requirements and also attend assessments that analyze their ability.

Frontend - Angular
Backend - Python Django

Mini Project Implementation:

Admin-

- Verification of recruiters using License Number, Certification etc.
- Verification of job seekers using Aadhar.
- Basic monitoring of job posts.
- Managing users.

Recruiters/Recruiting Company-

- Posting job openings
- View details of applied individuals
- Sort out and shortlist the potential candidates.
- View shortlisted candidates

Employees-

- View job openings
- Details of each assessment and questions are added.
- View results of job seekers.

Job Seekers-

- Apply for different jobs based on their skills.
- View applied job lists.
- View results of the attended assessment.

Main Project Implementation:

Admin/Admin Organization -

- Automatic Verification process for certificates and licenses.
- Real time monitoring and reporting of job openings.

Recruiters/Recruiting Companies –

- Advanced job posting with rich content (videos, images, etc.).
- Feedback and Reviews (users can add the feedback and reviews of the Pets and Aquarium)

Employees-

- Detailed job posts with multimedia content.
- Access to comprehensive test details and visualized results.

Job Seeker-
- Enhanced user profile with detailed skills and experience.
- Machine learning-driven job matching and recommendations.
- Integration of AI-powered algorithms for personalized recommendations

<u>Technologies</u>
- Natural Language Processing for effective and improved keyword matching.
- Fish Yate Algorithm for randomized assessment unique to each users.

<u>References-</u>
- [Research on an Artificial Intelligence-Based Professional Ability Evaluation System from the Perspective of Industry-Education Integration (hindawi.com)](#)
- Chatgpt