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| PROJECT TITLE : Intelligent Job Connector | | |
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HARAMAYA UNIVERSITY

COLLEGE OF COMPUTING AND INFORMATICS

DEPARTMENT OF SOFTWARE ENGINEERING

PROGRESS REPORT

**May. 2024**

Progress Report: Intelligent Job Connector System (IJCS)

**Project Overview**:

The Intelligent Job Connector System (IJCS) is a software web application designed to streamline the job search and recruitment process by utilizing intelligent matching algorithms . The system aims to connect job seekers with relevant job opportunities based on their skills, qualifications, and preferences, while assisting employers in finding suitable candidates efficiently.

**Project Status**:

The development of the IJCS is currently underway, and significant progress has been made since the project's inception. The following sections provide a detailed update on the project's accomplishments, ongoing tasks, and future plans.

**Accomplishments**:

1. **System Architecture Design**: The architecture of the IJCS has been defined, taking into consideration scalability, security, and performance requirements. The overall system design has been documented and shared with the development team for implementation.
2. **User Interface Design**: Extensive work has been done on the user interface (UI) design of the application. A responsive and intuitive UI has been created, focusing on enhancing the user experience for both job seekers and employers.
3. **Database Development**: The database schema for storing user profiles, job listings, and other relevant data has been designed and implemented. The necessary tables and relationships have been established, providing a solid foundation for data management within the system.
4. **Job Seeker Module**:

* **Registration and Login**: Job seekers can register for an account with the IJCS by providing their personal information and creating login credentials and verifying their account through link sent to their email address provided by them during registration.

They can subsequently log in to access their profile and utilize the system's features.

* **Update Profile**: Job seekers have the ability to update their profile information, including their contact details, education history, work experience, and skills. This ensures that their profile remains up-to-date and accurately reflects their qualifications.
* **Job Searching**: Job seekers can search for relevant job opportunities based on various criteria such as location, job title, and industry. The system utilizes intelligent matching algorithms to provide personalized job recommendations based on the job seeker's profile.
* **Viewing Job Alerts**: Job seekers can subscribe to job alerts and receive notifications when new job opportunities that match their preferences become available.
* **Reset Password** : Job seekers can reset password by entering email address they used when registration and inserting otp code sent to that email address when password request is requested

1. **Employer Module**:

* **Registration and Login**: Employers can register for an account and log in to the IJCS to access the employer module by verifying their account through link sent to their email address provided by them during registration.
* **Reset Password** : Employer can reset password by entering email address they used when registration and inserting otp code sent to that email address when password request is requested
* **Job Posting**: Employers can create and post job openings by providing detailed job descriptions, required qualifications, and other relevant information.
* **Editing and Deleting** **Job Postings**: Employers have the ability to edit or delete job postings as needed, ensuring that the job listings remain accurate and up-to-date.
* **Viewing Applications**: Employers can view and review applications submitted by job seekers for their job postings. They can access applicant profiles and assess their qualifications and suitability for the position.
* **Rejecting Applicants**: Employers can reject job applications and provide feedback to job seekers regarding the outcome of their application.
* **Communicating with Job Seekers**: Employers can directly communicate with job seekers through the system to schedule interviews, request additional information, or provide updates on the application process.

1. **Admin Module**:

* **Registration and Login**: Administrators, the super admin, can register sub admin an account and log in to the IJCS to access the admin module.
* **Update Profile**: Administrators have the ability to update their profile information, including contact details and other relevant information.
* **Activating Job Postings**: Administrators can review and activate job postings submitted by employers to ensure they meet the system's guidelines and standards.
* **Viewing Issue Reports**: Administrators have access to issue reports submitted by users regarding job listings. They can view the details of these reports and take appropriate actions based on the investigation.
* **Removing Offending Job Postings**: If an employer is found guilty of an offense reported by a user, the administrator can remove the job posting from the system to maintain the platform's integrity and user trust.

**Ongoing Tasks**:

1. **Refining Matching Algorithm**: The matching algorithm will undergo continuous refinement to improve the accuracy and efficiency of job recommendations. Feedback from testing and iterative improvements will be crucial in optimizing the algorithm's performance.
2. **Testing and Quality Assurance**: Rigorous testing is being implemented to identify and address any software bugs, usability issues, or performance bottlenecks.

**Future Plans**:

1. **Enhanced Recommendation Engine**: We aim to enhance the recommendation engine by incorporating machine learning techniques. This will enable the system to learn from user interactions and make more accurate and personalized job recommendations over time.
2. **User Feedback and Iterative Improvements**: Gathering feedback from users will be an ongoing process. We will actively seek user input to identify areas for improvement and implement iterative updates to enhance the overall user experience and system performance.

**Conclusion**:

The Intelligent Job Connector System (IJCS) project is progressing well, with significant milestones achieved in the development of the core modules and system infrastructure. The team remains dedicated to delivering a robust, user-friendly, and intelligent platform that revolutionizes the job search and recruitment process. We are excited about the upcoming phases of the project and are committed to meeting the project objectives within the defined timeline.

If you have any questions or require further information, please feel free to reach out to the project team.

Thank you for your continued support.

Best regards,

IJCS Development Team