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Accessible Job Portal for PWDs

Description

This study aims to develop an Accessible Job Portal for Persons with Disabilities (PWDs) to help bridge the employment gap by providing a PWD-friendly online job platform. The system will connect job-seeking PWDs with inclusive employers, ensuring equal access to career opportunities.

The job portal will feature accessible design elements, such as screen reader compatibility, text-to-speech functionality, adjustable font sizes, and keyboard navigation to accommodate users with various disabilities. Employers will be able to post job openings with specific accessibility requirements, while PWD applicants can filter jobs based on their skills, disability type, and work preferences.

Objectives

- To design an accessible web interface that supports screen readers, keyboard navigation, text-to-speech, adjustable font sizes.

- To develop a job-matching system that allows PWD job seekers to filter job listings based on their skills, disability type, and work preferences.

- To create an employer registration system where companies can post job openings with clear accessibility requirements.

- To allow PWD job seekers to create profiles and upload their resumes.

- To allow PWDs to receive job recommendations based on their profiles.

Scope

- A one-click SOS button for sending emergency alerts.

- Real-time location tracking to assist responders in locating the user.

- User authentication and security measures to protect personal data.

- A dashboard for monitoring emergency requests, mainly for caregivers or emergency response teams.

- Job Searching & Filtering System, users can search for jobs using filters such as industry, location, skill level, and work mode (remote, on-site, hybrid).

Limitation

- Internet & Device Dependency – Users need a stable internet connection and compatible devices to access the platform.

- No Control Over Employer Hiring Decisions – The system connects job seekers with employers but does not guarantee hiring.

- Limited Support for Certain Disabilities – While the system aims to be fully inclusive, some disabilities may require additional customization beyond the platform's capabilities.

- Dependent on Employer Participation – The availability of jobs depends on employers actively posting vacancies.

- Risk of Incomplete or Inaccurate Job Listings – Some employers may not fully describe job accessibility details.

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Methods of Research