An Online Job Portal for Entry Level Seekers

Presented by:

Everson Dzifa Misheallin

ANU19330125

Computer Engineering

ABSTRACT

As a graduate The transition from academia to the workforce presents challenges for entry-level job seekers, undergraduates, and fresh graduates, requiring creative ways to improve employment possibilities and simplify the job search process. In response to the limitations of existing job portals in meeting the unique needs of this demographic, I present the design and implementation job portal platform for everyone and specifically for entry-level candidates.This project aims to address the critical gap in the job market by offering a comprehensive suite of features and functionalities designed to empower entry-level job seekers in their quest for meaningful employment opportunities. Leveraging cutting-edge technologies and user-centered design principles, our job portal platform facilitates seamless job matching, provides access to internship programs and part-time gigs, and offers personalized career development resources.

ARCHITECTURAL DESIGN

Techniques

1) Applying user interface design principles such as responsive design and interactive features

2) Secure coding practices: Implement techniques like password hashing, user authentication, and data encryption to protect sensitive information.

4) Git and Github

5) Django Framework,Bootstrap and MySql

5)Restful API: Fetching data from backend APIs

6)Database queries: Efficiently retrieve and manipulate data in response to user actions and API calls.

6)wirting tests to ensure the application functions as expected.

Expected Outcome

Increased user engagement: More users actively utilizing the portal

Improved user experience: Users find the app easy to navigate, efficient, and helpful in achieving their goals.

Enhanced job search process: Job seekers discover more relevant opportunities and employers efficiently connect with qualified candidates.

INTRODUCTION

The journey from school to work is often challenging for newcomers to the job market. With changing job trends and tough competition, finding the right job can be daunting. Many entry-level candidates and fresh graduates struggle to navigate the job search process effectively.

Existing job search platforms don't always meet the needs of these individuals. They may lack features tailored to entry-level job seekers, making the search for suitable positions frustrating and overwhelming.

Our project aims to change that. We're developing a job portal designed specifically for entry-level candidates and fresh graduates. By using the latest technology and focusing on user needs, our platform aims to make the job search easier, more intuitive, and more rewarding.

We're committed to creating a platform that empowers individuals to find the right job and kickstart their careers successfully.

LITERATURE REVIEW

Limited experience and network: Research papers focusing on the specific challenges faced by entry-level job seekers, including limited relevant experience, lack of professional networks, and difficulty navigating the job search process.

Fagan, J. (2020). "The graduate job market: Challenges and opportunities". Journal of Education and Work, 33(8), 789-809.

Studies emphasizing the importance of user-friendly interfaces and intuitive navigation for online job platforms, especially for users with limited experience.

Shneiderman, B., & Plaisant, C. (2004). Designing the user interface: Strategies for effective human-computer interaction (4th ed.). Addison-Wesley.

Nielsen, J. (1993). Heuristics for user interface evaluation. In Handbook of human-computer interaction (pp. 249-256). Elsevier.

echnology-driven job matching: Papers discussing how machine learning and data analysis can improve job recommendations and personalize the job search experience for entry-level candidates.

Kosinski, M., Matloff, N., & Litman, J. (2012). "Recommending jobs like products: Learning from implicit user actions". In Proceedings of the 2012 IEEE 12th International Conference on Data Mining (ICDM) (pp. 559-566).

PROPOSED SYSTEM

User Registration and Profile Creation:

Job Search and Filtering:

Job Listings Display:

User-Friendly Interface:

User Authentication and Registration:

User Profile Management:

Career Development Resources:

MODULES SPLIT-UP

The project will be divided into the following modules:

The Frontend

The Backend

The Database

GNATT CHART

Week 1-2: Project Planning and Research

- Week 3-4: Applicant Authentication and Applicant Profile Management
- Week 5-6:Job Application and Tracking
- Week 7-8: Employer Authentication and Employer Profile Management
- Week 9-10: Career Development Resources
- Week 11-12: Testing and Quality Assurance
- Week 13-14: Documentation and Final Presentation Preparation

REFERENCES

Studies emphasizing the importance of user-friendly interfaces and intuitive navigation for online job platforms, especially for users with limited experience.

Shneiderman, B., & Plaisant, C. (2004). Designing the user interface: Strategies for effective human-computer interaction (4th ed.). Addison-Wesley.

Nielsen, J. (1993). Heuristics for user interface evaluation. In Handbook of human-computer interaction (pp. 249-256). Elsevier.

Research focusing on methods to evaluate the effectiveness of job portal interventions for entry-level job seekers, such as user engagement metrics, job placement rates, and career satisfaction surveys

Research focusing on methods to evaluate the effectiveness of job portal interventions for entry-level job seekers, such as user engagement metrics, job placement rates, and career satisfaction surveys. Examples:

**DeLone, W. H., & McLean, E. R. (2