

COLLEGE PLACEMENT HELPER

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Abstract:

For employment and internships, a web-based database called College Placement Helper uses computer systems to disseminate information through the World Wide Web or a local network. The main goal of this information system is to rapidly and precisely gather data on an applicant's qualifications for an internship or job using a completely automated approach that not only saves time but also yields results fast and precisely.

This is an effective method for delivering information and achieving objectives. Using the data about the learner, such as their preferences and talents, data is retrieved from the database. This method streamlines the procedure and provides us with an easy way to obtain the information we want about suitable applicants.

Introduction:

Everyone in today's culture travels for employment after completing their studies. It is now required for every learner, but they must go throughout the world to find jobs. We developed College Placement Helper to streamline this stressful process because the prior technique was purely manual, requiring time and making it impossible to maintain relationships between students and businesses. The project's purpose is to construct a web-based software programme for the training and recruitment department at the institution. The system is an application accessible via the internet that, with the necessary credentials, may be accessed throughout the Institute. The institution's TPO may employ this system as a form of application to manage student information about placement. Students should be able to upload data when checking in. Representatives from corporations with login credentials may also browse and search material provided by students. TPO must manually collect and organise the data in line with the various streams. If any modifications are required, these must be performed manually as well. Overall, fewer documents will be created, the setup and structure will be fully utilised, and time as well as cash will be saved.

Literature survey:

Database Management System For Training and Placement in 2019

HTML is the company-standard language for markup for text supposed to be rendered in browsers that support javascript and CSS.

PHP the hypertext processing system was first developed as a general-purpose programming language for the building of websites.

AND MYSQL is a free and open-source relational database management system (RDBMS).

Advantage: 1. It provides company modules via which businesses may connect directly with students.

2. Because a great deal of students do not use electronic mail, it also features an SMS integration site that provides quick message to inform students.

Cons: 1. It does not work when there is no internet connection or while in offline mode.

2. It requires an internet connection to work.

<https://www.irjet.net/archives/V6/i12/IRJET-V6I1285.pdf>

Placement Support System,

1. Decision Support System (DSS), which uses Visual Studio and SQL, is a computer-based system of information that supports organisational or business decision-making operations.

2. For the institution, students, and industry, it is safe and accurate.

Negative aspects include the fact that it lacks an offline system (<https://ijarce.com/wp-content/uploads/2016/02/IJARCE-78.pdf>).

Placement Management System on the Web

The project's main benefit is that it supports one-time registration. This project was created using MySQL and PHP. The centre for placement contacts companies to choose applicants for campus interviews.

Advantages: 1. Students can view previous placement statistics.

Disadvantage: notification is sent through email.

<http://ijcsit.com/docs/Volume%207/vol7issue2/ijcsit2016070268.pdf>

Android Training and Placement Application Cell

It offers an application that is user-friendly and has notifications for pupils. Additionally, it offers staff and student communication interfaces. This programme makes use of a MySQL database and a Linux server. The programme will use PHP to connect to the database.

Advantages: 1. This programme runs on Android.

2. Because the programme requires very little training to use, it will be extremely user-friendly when it is finished.

A drawback of using a server is that occasionally it may be momentarily unavailable, making it difficult to retrieve information that is stored there.

<http://www.ijserd.com/articles/IJSRDV4I20509.pdf>

Architecture and Methodology

Architecture:

Frontend application:

This is the platform's user interface, which lets job searchers make profiles, look for opportunities in the workforce, and submit applications. Modern web technologies like JavaScript, HTML, and CSS may be used to create the front-end application, which is accessible from a variety of gadgets including computers, laptops, and smartphones.

Backend application:

The platform's server-side manages data processing, archiving, and communication with the database and front-end application. The back-end application may be created with the aid of a programming language like Java, Python, or PHP and installed on a cloud infrastructure like AWS or Google Cloud.

Database:

The profiles of job seekers, job listings, and other pertinent information are all kept here. A database management system that supports relational databases like PostgreSQL, MySQL, or Oracle, SQL Server or a NoSQL database like MongoDB or Cassandra, can be used to implement the database.

Matching algorithm:

It links job searchers with the most pertinent job posts according to their qualifications, experience, and other factors. This is the platform's main feature. The database and front-end application may both be connected with the matching algorithm, which can be created using methods based on machine learning, including processing natural languages, clustering, and classification.

Resume building tool:

This platform feature, which is optional, enables job searchers to construct expert resumes using the templates and instructions offered by the platform. With a database and front-end app coupled, the resume creation tool may be created utilising web technologies like HTML and JavaScript.

Networking features:

This is an additional optional feature of the platform that offers online chat rooms, alumni links, and virtual job fairs as means of networking for job searchers. Web technologies like WebSocket and Node.js may be used to develop the networking capabilities and connect them with the front-end programming application.

A college placement assistant's overall design integrates a number of elements to give job searchers a holistic career search background, from profile building to job searching to interview practise.

Methodology:

Profile creation:

The initial action for job searchers is to make an account on the platform. This include disclosing details about their educational history, professional experience, and career objectives. The site could also request that job searchers upload their cover letter, résumé, and other pertinent papers.

Job search:

After establishing a profile, a job seeker may use the site to look for available positions. The platform may let job searchers filter job posts by region, industry, position title, or other factors.

Matching algorithm:

The platform may employ a matching algorithm to guarantee that job searchers are paired with the most pertinent job vacancies. This algorithm matches job seekers with job posts that best match their credentials based on the information in their profiles, their talents, experience, and other variables.

Application submission:

In order to apply for a position they are interested in, job hunters may do so directly through the website. On the site, job searchers may add a cover document, sources, or other documents to personalise their application.

Interview preparation:

The platform may include tools like advice on how to prepare for interviews, a list of example questions, and comments on job seekers' application materials.

Networking opportunities:

It's possible that the platform may provide networking opportunities to aid job searchers in expanding their professional networks. This can include online career fairs, links with alumni, and other activities targeted towards a particular sector.

Employer engagement:

The platform may connect with companies to make sure that job posts are current and that organisations are receptive to job searchers' applications in order to guarantee that its platform is offering relevant work opportunities and a great user experience.

Implementation**Navigation and Design:**

Creating a straightforward and easy to use interface that enables job searchers to build profiles, look for job opportunities, and submit applications is the first stage in putting a college placement assistant into action. The user interface need to be responsive and mobile-friendly.

Database of Job Posts:

The platform must include an inventory of job advertisements, which may be manually maintained or supplied via APIs from different employment sites. All pertinent information, such as the job title, employer name, location, pay range, and job description, should be included in the database of open positions.

Matching Algorithm:

An algorithm for matching may be developed to ensure that job seekers are matched with vacancies that are most relevant to them. To match job searchers with the most suitable job postings, the algorithm may consider factors such as their location, abilities, previous employment, academic achievement, and other criteria.

Tool for Resume Development:

The platform may include an application construction tool to assist job seekers in creating successful resumes. The tool should include templates and instructions for creating resumes for certain industries or job profiles.

Sources for Interviewing Purpose:

In order to help those seeking employment in preparing for conversations, this website may supply them with materials such as interview guidance, practise exams, and information on certain sectors.

Opportunities of Social:

To aid job seekers in developing their professional connections, the platform may offer networking tools such as online job fairs, graduate linkages, and online forums where they may communicate with professionals in the subject.

Security And Privacy:

Because the platform will handle sensitive information such as resumes and private information, privacy and security procedures like as data encryption, user authentication, and access limitations must be implemented.

A college placement helper deployment incorporates a variety of features and tools to provide job seekers with a comprehensive job search experience.

Conclusion

A skilled college placement assistant will work with pupils to determine their talents, interests, and objectives before giving them individualised suggestions and guidance on schools and universities that complement those aspects. In addition to negotiating financial support and scholarship possibilities, this can also entail help with essay writing, exam preparation, and scholarship applications.

The ultimate aim of academic placement service is to guide students through each stage of the applications and admissions process while assisting them in selecting an educational institution that is suitable for their particular requirements and objectives.

Acknowledgements

Those that assist students with college placement put a lot of time and effort into connecting with them, assisting them in identifying their talents and interests, and offering them tailored suggestions and guidance. They could also assist students with essay writing, the financial assistance application process, and standardised exam preparation.

Their work may significantly impact students' lives by assisting them in selecting the best institution or university to help them reach both their personal and educational goals. As a result, it's critical to recognise and thank college placement assistants for their services in assisting students in pursuing their goals and realising their full potential.

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