



CONFIDENT CANDIDATE-A JOB SEEKERS COMPANION

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Abstract: E-learning has become an important part of today's Technical world. By keeping that in mind this research aims in giving the future generation a key to success where they have to start in their career by means of going through all the major workings of placement and the questions and the interactions that will take place in the students once they step into their Higher semesters in their study at college and also various other outside exams which includes Basic Math Functions, Verbal Ability and so on. The primary target of this project is based on the placement sector And it works on the various stages like helping the user to get to know the outside fast phasing world with enormous lighting ideas that help the user to get a crystal clear knowledge about the questions that are asked in the placement with a huge amount of study materials which are categorized for the users perspective of learning and as per there lacking skills which they have to gain in this time-consuming world with the confident candidate a job seekers companion. The results contribute and confirm a significant positivity to technology adoption of the digital teaching and learning framework by offering real-time learning, Study Materials, Current Affairs, interview questions, and Job searching sites using web applications on mobile.

IndexTerms - E-learning, Verbal ability, job seekers companion.

I. INTRODUCTION

The Application is planned with the highlights containing the client profile which permits the client to make a profile with their own data and training subtleties. The Pursuit of employment highlight in the application permits the understudies to peruse and channel the employment opportunities in view of different models. The preparation sites that are connected in the application guarantees the understudies to give different preparation projects and this module likewise keep tabs on their development, execution and trains them as per it. The essential objective of this task depends on the situation area And it chips away at the different stages like assisting the client with getting to realize the external quick staging world with tremendous lighting thoughts that assists the client with getting a completely clear information about the inquiries that are posed to in the position with a colossal measure of study materials which are sorted for the clients point of view of learning and according to there lacking abilities which they need to acquire in this tedious world with certain up-and-comer a task searchers friend. The outcomes contribute and affirm a critical positive to innovation reception of the computerized instructing and learning structure by offering constant learning, evaluations, accomplishment records, and learning meeting exercises utilizing web applications on versatile.

II. RELATED WORK

M Mailizar, D Burg, S Maulina, "Examining university students' behavioural intention to use e-learning during the COVID-19 pandemic". In this study, The Technology Acceptance Model (TAM) was the primary framework employed for analysis, in which system quality and e-learning experience were included as external constructs to seek out a much better model to improve the understanding of students' intention to adopt e-learning. Structural Equation Modelling (SEM) and SMART PLS 3.0 software were applied for data analysis. O. Hourrane, H. Ouchra, A. Hafsa, EL. Eddaoui, H. Benlahmar and O. Zahour, "Towards a Chatbot for educational and vocational guidance in Morocco: Chatbot E-Orientation", In this paper, a repository of predefined responses and model is used that classifies these responses to choose an appropriate response for user input. In addition, they proposed a subject-sensitive neural tensor network (TACNTN) model to classify whether or not a response is appropriate for a message.

M. Polignano, F. Narducci, A. Iovine, C. Musto, M. De Gemmis and G. Semeraro, "HealthAssistantBot: A Personal Health Assistant for the Italian Language". In this study, A contribution to Conversational Recommender Systems is proposed. In particular, they implemented ConverSE, a framework for Conversational Recommender Systems. During the conversation, the user provides her preferences to the system via natural language messages. Based on these preferences, the system will generate a set of recommendations, that will be evaluated by the user.

R. Rajkumar and V. Ganapathy, "Bio-Inspiring Learning Style Chatbot Inventory Using Brain Computing Interface to Increase the Efficiency of E-Learning". In this study, the classification of Visual learner or Auditory learner is based on the neuronal responses recorded during the information retrieval tasks combined with Brain Computer Interface and the machine-learning algorithm. . The classification accuracy of the Chatbot is similar to Brain Computer Interface using machine learning algorithms. Carlander-Reuterfelt,

D.; Carrera, A.; Iglesias, C.A.; Araque, O.; Sánchez Rada, J.F.S.; Muñoz, S. JAICOB: A Data Science Chatbot. In this paper, Conversational agents have evolved from simple pattern-based programs into rather complex systems, including Natural Language Understanding and Machine Learning Techniques, which have allowed them to be more flexible in maintaining a conversation. Natural Language Interface (NLI) is used to increase user satisfaction and can help to find the information needed in a more comfortable way than other less sophisticated and time-consuming search interfaces.

A. Heryandi, "Developing Chatbot for Academic Record Monitoring in Higher Education Institution". In this study, The chat application provides an Application Programming Interface (API) service for sending or receiving messages. Therefore, the API can be used to create applications (chatbot) that will serve users in the form of chat. Singh.A., Ramasubramanian, K., & Shivam, S. (2019). Introduction to Microsoft Bot, RASA, and Google Dialogflow. In Building an Enterprise Chatbot. This paper explores current applications of these systems and raises the lack of their availability in education. Conversational agents are natural language interaction interfaces designed to simulate human conversations using Artificial Intelligence (AI). Meennapa Rukhiran, Arpaporn, and Paniti Netinant "Development of Mobile Learning English Web Application: Adoption of Technology in the Digital Teaching and Learning Framework". In this paper, The e-learning system can be developed to support distance learning during the epidemic and disparities effectively. The study investigates students' learning achievement and end-user perceptions based on the extended technology acceptance mode. In this study, the experimental group outperformed the control group regarding vocabulary and reading development among children. Using mobile technology to learn English digitally confirms the findings of several earlier studies concerning the success of English learners.

III. EXISTING SYSTEM

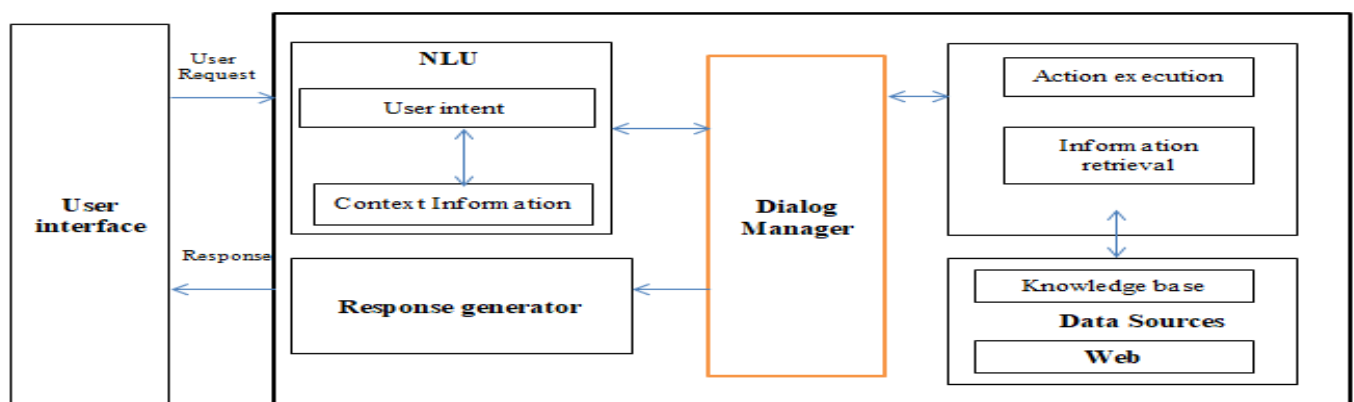
Considering the existence of very large amount of available data repositories and reach to the very advanced system of hardware, systems meant for online preparation have evolved enormously over the past few decades. It is very difficult task to maintain the user data and details as it is time consuming and lack of security of data. E-learning is one of the most important areas that have evolved as an integral component adopted by students. The problems that the students face is they are not made aware of many training and job placement activities, hence there might have been a loss of opportunities. The existing system is also inefficient as it could not take any acknowledgement from the users attending the particular drive and there is no options like reminding the users before the job placements.

IV. PROPOSED SYSTEM

The proposed system will work as one stop solution for all existing issues. All the tasks that are important and need to be performed efficiently are included in web application. Our system basically not only focuses on providing student eligibility list and calculation of data but also on providing students with all the materials needed for preparation at a single point. Role based access rights are provided to each user and each user has its own login tab where he/she can manage own personal information and all the work or content provided by the Web Application. Our system also makes sure that the user interface is user friendly so that neither the students nor the faculty has any problem understanding the concept of web application and has no complaint with navigation. The pages are linked in most suitable manner making it easy to jump from one page to another flawlessly. The proposed system is intended to avoid all the drawbacks of the existing system.

BLOCK DIAGRAM

Fig:1 Block Diagram



The above figure represents the flow of the project with all its features. The Features that are present in this web application are open sources. The working of the project is with all the websites and integrated AI. And the process is done in our application as per the flow of the user's requirements. The input for the web application is the study modules that the user has prepared to kick-start their carrier in the technical world. Based on the user's mindset all the information that is provided in the web application helps the user to update according to the placement departments aspect. Finally, In the web application there is a feature that is used to reduce storage that is the user can log in the job-related websites and use the same instead of installing individual apps.

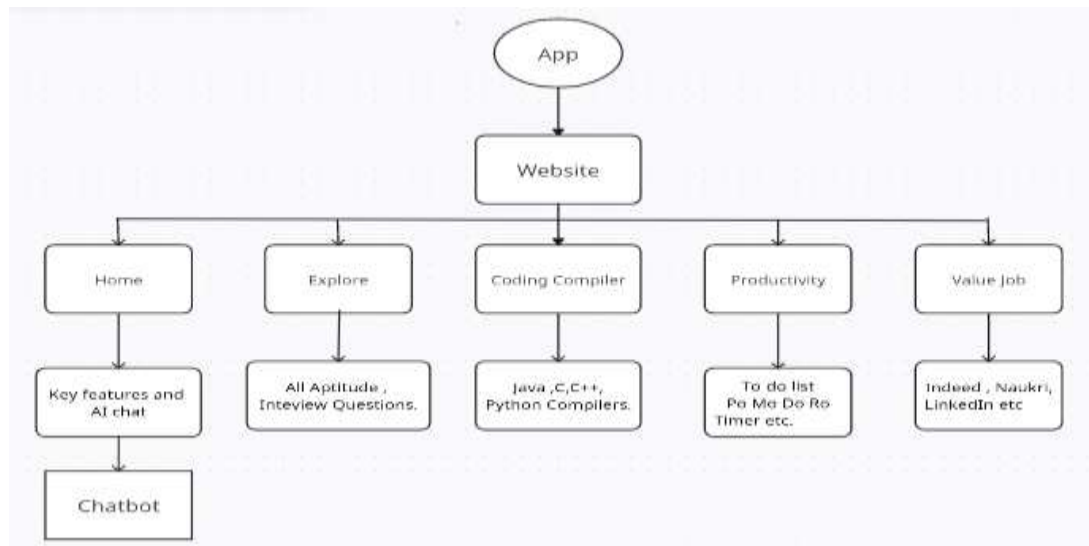
MODULE:

Fig 2: App Framework

Data collection is the process of collecting and analyzing information on relevant variables in a predetermined, methodical way so that one can respond to specific research questions, test hypotheses, and assess results whereas data is various kinds of information formatted in a particular way.

During data collection, the researchers must identify the data types, the sources of data, and what methods are being used. Accurate data collection is necessary to make informed business decisions, ensure quality assurance, and keep research integrity. The data collection process has had to change and grow with the times, keeping pace with technology.

A Database plays a critical role in Web App Development. A Database is a collection of data and information stored in an organized manner for easy retrieval. It is used to store user information, session data, and retrieval. It is used to store user information, session data, and other application data. The Web Application interacts with the database to store data and retrieve data from it. The Database is the Central repository for all the data and plays a key role in the operation of the website and provides it with information regarding Data Integrity and Security issues.

Integration Process:

Integrating AI with a website can enhance the functionality and user experience of the website. Integrating AI with a website requires a combination of programming languages, frameworks, and tools. Here are the general steps involved in integrating AI with a created website Determine the AI functionality: The first step in integrating AI with a website is to determine the specific AI functionality that will be added to the website. This could include Chatbot, personalization, natural language processing, image and video recognition, or predictive analytics. Select the appropriate AI technology Once the AI functionality has been determined, the appropriate AI technology needs to be selected. This may include selecting a machine learning framework or a pre-built AI service from a cloud provider. Develop the AI model: Once the AI technology has been selected, the AI model needs to be developed using appropriate programming languages, such as Python or Java. This may involve data collection, preprocessing, algorithm selection, and model training. Integrate the AI model with the website: Once the AI model has been developed, it needs to be integrated with the website using appropriate programming languages, such as JavaScript or PHP. This may involve using APIs or SDKs to integrate the AI functionality with the website. Test and optimize the AI integration: Once the AI integration has been completed, it needs to be thoroughly tested to ensure that it is functioning correctly and providing the desired functionality. Optimization may also be required to improve performance and ensure that the integration is scalable and efficient.

Web Application:

Creating a web application with integrated AI using Android Studio, here are the steps you can follow:

Create a new project in Android Studio and select "Empty Activity."

Add a web view to your layout file by adding the following code:

```

<WebView
    android:id="@+id/web_view"
    android:layout_width="match_parent"
    android:layout_height="match_parent" />
  
```

In your activity's onCreate method, get a reference to the web view and load your website using the following code:

```

WebView webView = (WebView) findViewById(R.id.web_view);
webView.getSettings().setJavaScriptEnabled(true);
webView.loadUrl("https://your-website.com");
  
```

Next, you'll need to add your AI code. One option is to use a pre-built AI platform like Dialog Flow or Tensor Flow. You can integrate these platforms into your web application using their APIs.

Once you've integrated your AI code, you can add functionality to your web application to allow users to interact with the AI. For example, you could add a chatbot interface or voice recognition capabilities.

Test your web application on a web browser to ensure it's working properly.

V. EXPERIMENTAL RESULT



Fig 3: logo of the application

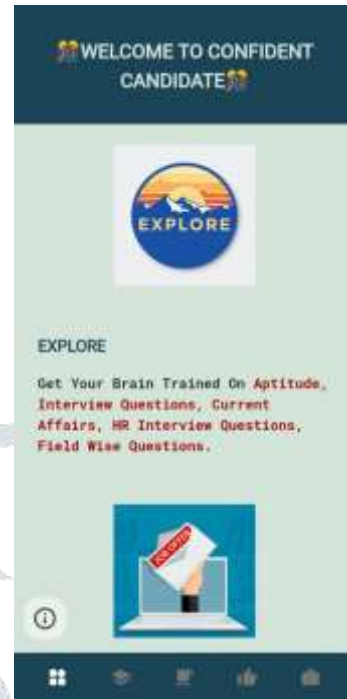


Fig 4: Home Page of the application



Fig 5: Explore Page



Fig 6: Coding Compiler



Fig 6: Productivity



Fig 7: Value Jobs

VI. CONCLUSION

The proposed system is developed using Android Studio. A confident candidate gives the user to have complete knowledge of what they are searching for. It is an all-in-one app that has a compiler to practice coding, materials for learning, and other productivity components like white board, Pomodoro timer, and a to-do list. Confident Candidate is a user-friendly system, which is very easy and convenient to use. The system is complete in the sense that it is operational and it is tested by entering data and getting the reports in proper order.

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