Leadburg - Mobile Based Behaviour Analysis And Validation System

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Abstract- *Leadburg is a behavioural analytics platform for individuals that decides client's identity attributes by making them answer couple of straightforward questionnaire for each behavioural qualities. Then the system analyses the answers and to identify various personality attributes.Since these attributes are already verified and validated, these can be added into resumes for appropriate positive attributes section and improvement areas section.*

I. INTRODUCTION

Our longing for simple and free life has helped in making various developments and innovations. Of every one of them, the most essential and inevitable product are smartphones. From taking notes to playing games which require high-end graphics is presently conceivable with a gadget which is more slender than a finger. Their capacity to perform any errand without hardly lifting a finger has made them the most utilized electronic gadget on the planet till date. This increase in the number of users of smartphones crossing even the quantity of PC users has likewise expanded the quantity of games and applications accessible for the gadgets. This ease of availability can be used for performing numerous valuable errands which would be difficult to fulfil otherwise.One such use is in the area of career seekers.

In the field of employee recruitment and staffing, there is a tremendous need in the industry to obtain, screen and verify data on job seekers, and to match qualifications with job requirements.In the present scenario, an organization decides the attributes of a person by depending totally on the resume given by the candidates or by personal interviews. This technique may appear to be valuable however is not exceptionally effective in light of the fact that not each individual communicates their personal credits acceptably and out and out to a stranger. The assistance of a mobile application is utilized here. In addition, the data acquired through unsubstantiated job seeker's resumes is regularly of indeterminate dependability. It has been evaluated that almost one portion of all resumes submitted in the enlisting procedure has significant mistakes or deceptions of actuality, or out and out misrepresentation, which has a tendency to mutilate the

procuring basic leadership prepare. Daily papers oftentimes report of instances of false doctors, layers, merchants, teachers, administrators, or the individuals who have distorted their experience or training. The more complex the occupation, the more troublesome and tedious the confirmation procedure progresses toward becoming.

II. LITERATURE SURVEY

There are several existing possible ways that a behaviour analysis and data verification can be performed in an automated environment.

In the patent published on Dec 2, 2003, by the inventors William S. Perell, Neil S. Hayden and Walter D. Benvin, they discus about "A method and apparatus is described for multiple-party data attribute management system and interface structure which permits different categories of users to contribute and control different types of source data, while adding informational value to data contributed by other users. The system provides a secure repository for verified and authenticated data, and provides a system of controlled access to the repository. The preferred embodiment of the invention comprises a data verification and certification system which in a principal embodiment is useful to create a data bank to match job seekers with potential employers based on verified resume data and employer specified search criteria. The interface structure, the system of the invention preferably includes computer databases and interactive Internet based server systems."[1]

Another approach suggested by inventors Sanjay Dattatri, AthmaramanRajagopalan, Ravi K.R. Kannan in a patent application involve "A method and system for matching a candidate with prospective employers is provided. The system includes a web-based career management system having an input node for receiving candidate inputs from the candidate, and receiving employer inputs from an employer. The web-based career management further includes an expert processing system for receiving candidate inputs and employer inputs and for applying a plurality of analytics on the candidate inputs and the employer inputs to produce one or

more analytics results. An output node is used for communicating the one or more analytics with the candidate and/or the employer. The candidate inputs include a resume, and one of the analytics results is a credibility score for a respective resume." [2].

In another patent application, David Chess, Sophia Krasikov, Alla Segal suggest "A system for automatically screening resumes and/or job/admission applications for false information as well as for specific factors that make a particular candidate non-suitable for a particular job or school. The tool can also be used to generate questions that could be asked of a specific candidate based on the information provided in the resume. Such a tool may optionally include a database preconfigured with some of the information pertinent to a specific field/group of jobs. It can also optionally include the list of well-known companies hiring candidates with specific backgrounds, the contact e-mail and the information of the skills that could be utilized by each company in a given year. The system allows for manual as well as automated updates (e.g. live update from the service provider) of the database." [3]

III. PROPOSED SYSTEM

In this method, we follow more psychological process to attain our objective. Since individuals utilize their cell phones in their usual range of familiarity decisively, they tend to open up, for the most part, giving out exact data. This is likewise made a great deal more intelligent by actualizing and outlining the surveys a great deal more like a game than a test. The inquiries are precisely made to speak to an engaging inquiry outwardly instead of more genuine ones yet in the meantime might assemble important data from theirdecision of choice and their order.
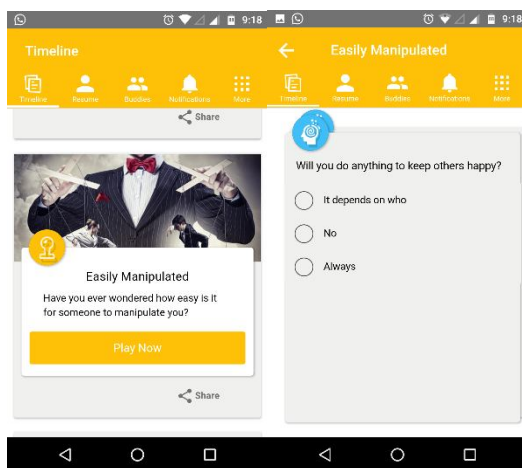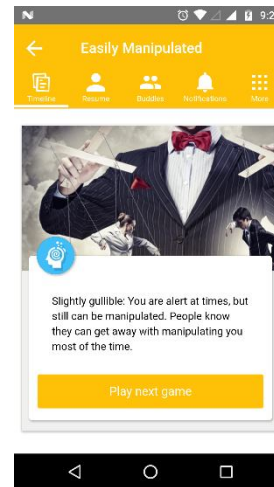

Figure 1: Games to determine if individual is easily manipulated.

The questionnaires appeared above may appear to be excessively basic, yet once they are gathered together with different reactions, important conclusions can be deducted.


2: Conclusions from above questionnaires

The application then provides facility to automatically generate a resume once a minimum number of games are completed. The resume will then contain the 'unique strengths' as well as 'Improvement areas' which are validated and verified by the application. The generated resume will then be emailed to the candidate for them to use in interview process.

IV. METHODOLOGY

To explain the concept used here, let us take a very popular example: "*Half Full or Half Empty*" to determine if a person has an Optimistic or Pessimistic personality.
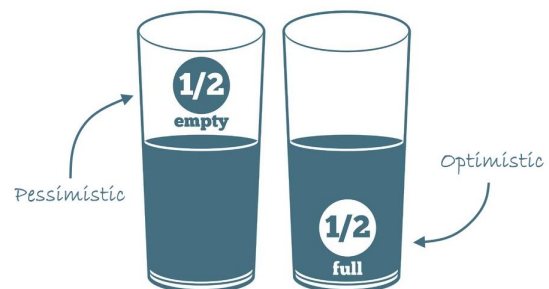
"Is the glass half empty or half full?" is a typical expression, a famous expression, by and large utilized logically to show that a specific circumstance could be a reason for optimism (half full) or pessimism (half empty), or as a general litmus test to just decide a person's perspective. The reason for the question is to show that the circumstance

might be seen in various courses relying upon one's perspective and that there might be an open door in the circumstance and additionally inconvenience.

This maxim is utilized to clarify how individuals see occasions and objects. Discernment is one of a kind to each person and is just one's understanding of reality. The expression "Is the glass half empty or half full" can be seen likewise as a philosophical question. But that isn't all it, let's take the same questionnaire for different situation and a different personal attribute. The project manager says the glass is twice as big as it needs to be. The realist says the glass contains half the required amount of liquid for it to overflow.Similarly, every questions can be assessed for determining various attributes.
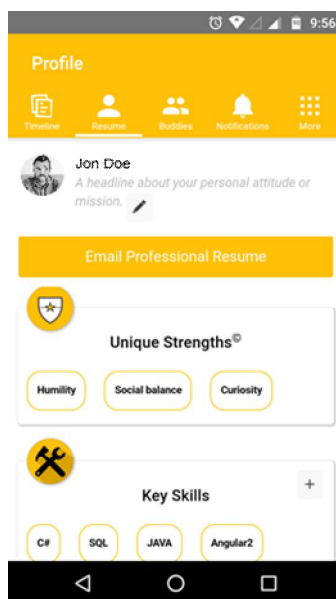
2 Resume

V. LOGIN METHODS

Users can sign in into the application in the following methods:

- Email/Password
- Google Login
- Facebook Login

VI. ADDITIONAL FEATURES

- **Articles:** Apart from determining the personal attributes of an individual, the application also shares various articles and quotes from various sources that help the users to improve their character to prepare them in their professional career as well as in the personal life.

- **Certification:** The Company sends out certificates of completion to all individuals who successfully complete all games in the application and export their resumes to their emails.

VII. TOOLS AND TECHNOLOGIES

The application is predominantly developed using Ionic 2, Angular2, Cordova and firebase.

VIII. CONCLUSION

The application helps both student as well as institutions to verify and validate the information. The companies will get a summary about the character of an individual without the need to verify it themselves. Students will also get a chance to express themselves better.

REFERENCES

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