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Delta Aura – An Android Integration with AI

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Abstract - *Delta Aura is a cross platform Android Application cum Website integrated with Artificial Intelligence, that helps everyone to seize multiple opportunities as per their skillset and earn a quality lifestyle accordingly. It has an infinity loop consisting of seven different arenas of aura viz. Careers, Community, Affairs, Aura Infinity, Commercial, Forum & Donate. Delta Aura aims to connect people & their souls to the society in a unique manner. Each of the seven different arenas of aura, boost humanity, values & connectivity, that develop social integrity & thoughtfulness. It has a user-friendly interface & all registered users enjoy multiple benefits, as they get access to various infinite connections all together under one roof. It works efficiently in unison with the website & the mobile application development platforms. Ultimately, it benefits everyone connected to it in some or the other manner.*

Key Words: **Android, Artificial Intelligence, Software Development Kit (SDK), Website, Application Programming Interface (API), Cross Platform, etc.**

1.INTRODUCTION

Delta Aura is proposed to solve the problem of information overload as it deals with people & their social souls. Here, we introduce an amalgamation of different widely used applications, that in some or the other manner, connect people for various purposes. For example, major challenge for social event organizers (e.g., event planning and marketing companies) is attracting the maximum number of participants, since it has great impact on the success of the event and consequently, the expected gains (e.g., revenue, artist/brand/activity publicity). In this, we introduce the Social Event Scheduling (SES) problem, which schedules a set of social events considering user preferences and behavior, events' spatiotemporal conflicts, and competing events, in order to maximize users. Similarly, each arena in Delta Aura, has a great scope. We aim to connect communities & people for different causes & actions. Delta Aura binds everything & everyone together.

With a globally booming population, there is a lot of competition everywhere & the only thing that is growing exponentially, is information & the data associated with it. There are resources available to get the latest updates and personalized feed as per the need but all of these are in a scattered manner. There is a big communication gap between the user & the fetcher which needs to be bridged quickly, to utilize the best out of the available resources.

2. RELATED WORK

This section will give some knowledge on related work and research published in the history of such concept and application. Job Recommendation System based on Machine Learning and Data Mining Techniques using RESTful API and Android IDE by Harsh Jain & Misha Kakkar. In this Artificial Intelligence technology is used it Providing optimized job recommendations but is Considers only Technical Factor of the Market [1]. FoDRA — A new content-based job recommendation algorithm for job seeking and recruiting by Nikolaos D. Almalis, George A. Tsihrintzis, Nikolaos Karagiannis, Aggeliki D. Strati. It Recommends users Job using by Analyzing the content but it takes Only analyses Content Based Unstructured Job Description. In this Four Dimensions Recommendation Algorithm is used [2]. Help Me Find a Job: A Graph-based Approach for Job Recommendation at Scale by Walid Shalaby, BahaaEddin AlAila, Mohammed Korayem, Layla Pournajaf, Khalifeh AlJadda, Shannon Quinn, and Wlodek Zadrozny.In this Deep Learning, Graph Based Recommendation is used and it provides Detects customer sentiment and feedback through twitter data [3]. A Job Recommendation Method Optimized by Position Descriptions and Resume Information by Peng Yil, Cheng Yangl, Chen Lil, Yingya Zhangl. It uses Recommendation Algorithm [4]. Awareness of Social Influence for Service Recommendation by Wuhui Chen, Incheon Paik, Takazumi Tanaka, Banage T.G.S. Kumara. In this QoS-based recommendation technology is used [5]. Social Event Scheduling by Nikos Bikakis, Vana Kalogeraki, Dimitrios Gunopulos. It Attracting maximum number of Participants but it is Unable to get all the use preferences. It uses Greedy Algorithm [6]. Intelligent system for dynamically providing suggestions for meetup based on proximity by Joy Bose, Aditya Bhide, K.P. Dipin. It Providing suggestions for meetups in proximit. It uses Smart meetup Service Engine but it does not have SMS and chat facility [7].

3. METHODOLOGY

The existing systems that are used till date vary according to their applications. There are various platforms available for each of our infinity arenas i.e. for Careers there are platforms like LinkedIn, Glassdoor, etc. To integrate Community there are platforms like Blogs, Campaigns, etc. In case of Affairs there are platforms like Meetup.com, Events High, Town script, Google Events, etc. To connect people, there are different social media platforms including Facebook, Instagram, What's App, etc. For commercials, there are different digital & non-digital platforms available on & outside the web. Platforms like Quora, Answers.com, etc. are available as query resolvers online. For any form of Donation, there are an ample number of platforms available both online & offline. In the proposed system, we are integrating an Android Web Application with Artificial Intelligence capabilities in order to bind souls. Our System is providing users multiple career opportunities, event meetups updates where people can meet and exchange their ideas and thoughts and gain real world experiences. We've also developed a forum in which one can ask queries and doubts. The idea is to bridge the gap between the society and the people, fulfil their needs and necessities. We believe in real time updates and that's what our proposed system works on.

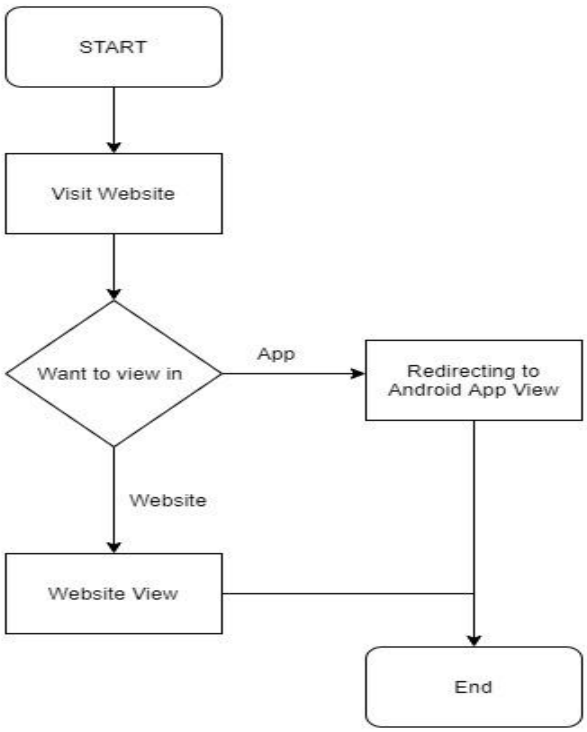

Fig 3.1.2: Web Flow

3.1 SYSTEM FLOWCHARTS

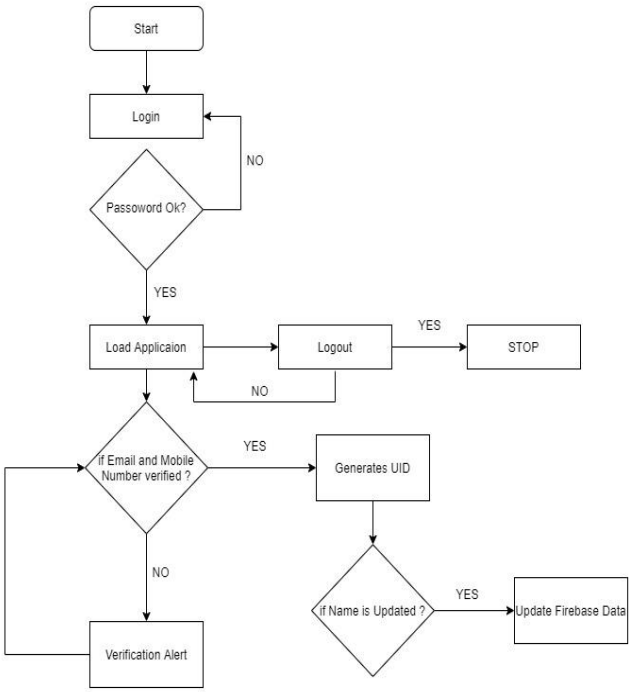

Fig 3.1.1: Application Flow

3.2 SYSTEM INTERFACE

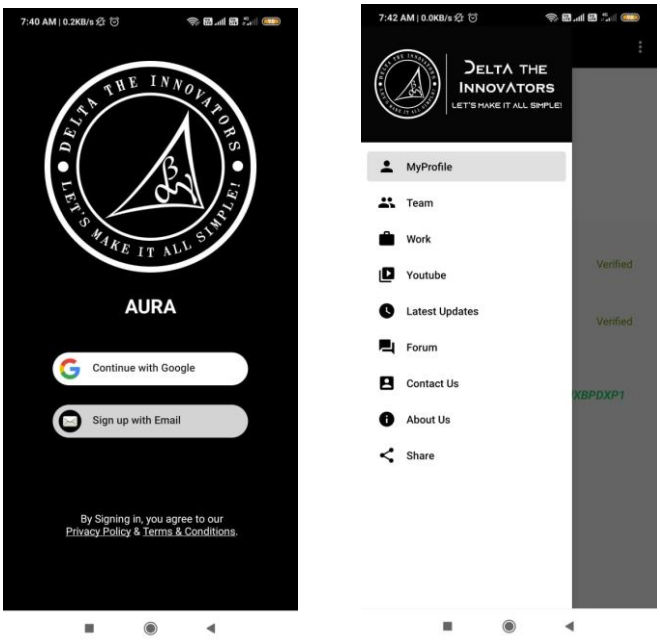

Fig 3.2.1: Mobile Application Interface

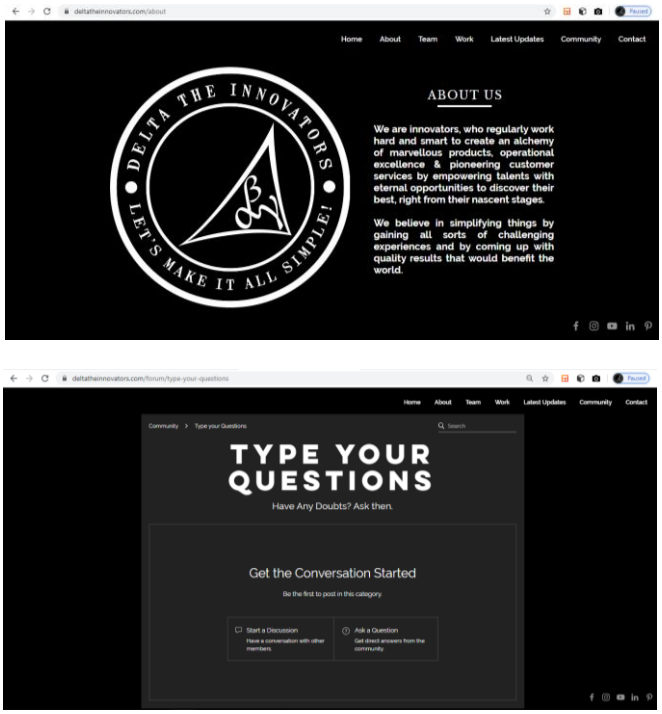

Fig 3.2.2: Web Application Interface

4. CONCLUSION

Our Application is helping users to connect with each other and provide multiple opportunities & solutions in every possible way. Awareness of Social Influence for Service Recommendation is aimed at bridging the gap between employees and employers. The responses returned by the system were acceptable within a certain margin of error. Further studies into the topic can help enhance the precision of the system. The goal of Social Event Scheduling is to maximize the overall events considering several events and users factors. In this paper we have suggested a system for smart meetup. This feature will enhance the user experience while using mobile devices, since it deduces the desirability of meetup and gives customized and intelligent suggestions for shared activities, events, opportunities like careers, communities and affairs. Donation also plays a pivotal role in shaping the future of the world. This application has a very wide future scope, which can just be ideated at this point of time.

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