iJRASET
International Journal For Research in Applied Science and Engineering Technology

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 8 **Issue:** V **Month of publication:** May 2020

DOI: http://doi.org/10.22214/ijraset.2020.5039

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International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429
Volume 8 Issue V May 2020- Available at www.ijraset.com

Research on Handmatch

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Abstract: ***Nowadays across the world, peoples find their perfect match from various matrimonial websites and applications. People register with such platforms, feed their profile in to it and platforms suggest them theirs perfect match according to their profile.***
And everything goes right, they will get married. But such platforms are still failed to provide such facilities to disabled people. In our project, we are going to make a system which provides such facilities to disabled people also.
We are going to develop system in which the person with blind disability can interact with the system through the audio interface and the person with speaking and listening disabilities can interact with the system through the visualization.
In this system provide a full specification of the crippled person and according to that our system will suggest them theirs perfect match for them.
Keywords: Matrimonial sites, Audio interface, Navigation system, Crippled and Voice, Audio and Matrimonial sites

I. INTRODUCTION

HAND MATCH is a mobile application , which a handicap person can use without taking help from the other person through one's voice .
The aim of this abstract is that nowadays there are many frauds takes place so there is problem of security, in our project we will overcome this problem through enter the Adhar card number so that even handicap person verified it as in the Adhar card the proper credential is provided .we will use an API in our system through handicap can register in the system and can easily be access by them
The same verification process is for the normal user but they can do through visualization[3]. We will use database named as" The Firebase Real time Database" which build rich, collaborative applications by allowing secure access to the database directly from client-side code.
Data is persisted locally, and even while offline, real time events continue to fire, giving the end user a responsive experience. When the device regains connection, synchronizes the local data changes with the remote updates that occurred while the client was offline, merging any conflicts automatically.
It provides a flexible, expression-based rules language, called Firebase Real time Database Security Rules, to define how your data should be structured and when data can be read from or written to.
When integrated with Firebase Authentication, developers can define who has access to what data, and how they can access it. It is a NoSQL database and as such has different optimizations and functionality compared to a relational database.
The Realtime Database API is designed to only allow operations that can be executed quickly.
This enables you to build a great real time experience that can serve millions of users without compromising on responsiveness. Because of this, it is important to think about how users need to access your data and then structure it accordingly.[4]

II. PROPOSED APPROACH FOR MATCHMAKING

An efficient system of Matchmaking is been illustrated below. By following the steps stated below an accurate and decent result is been obtained . The steps have been stated which is carried out by undergoing through many literature surveys.

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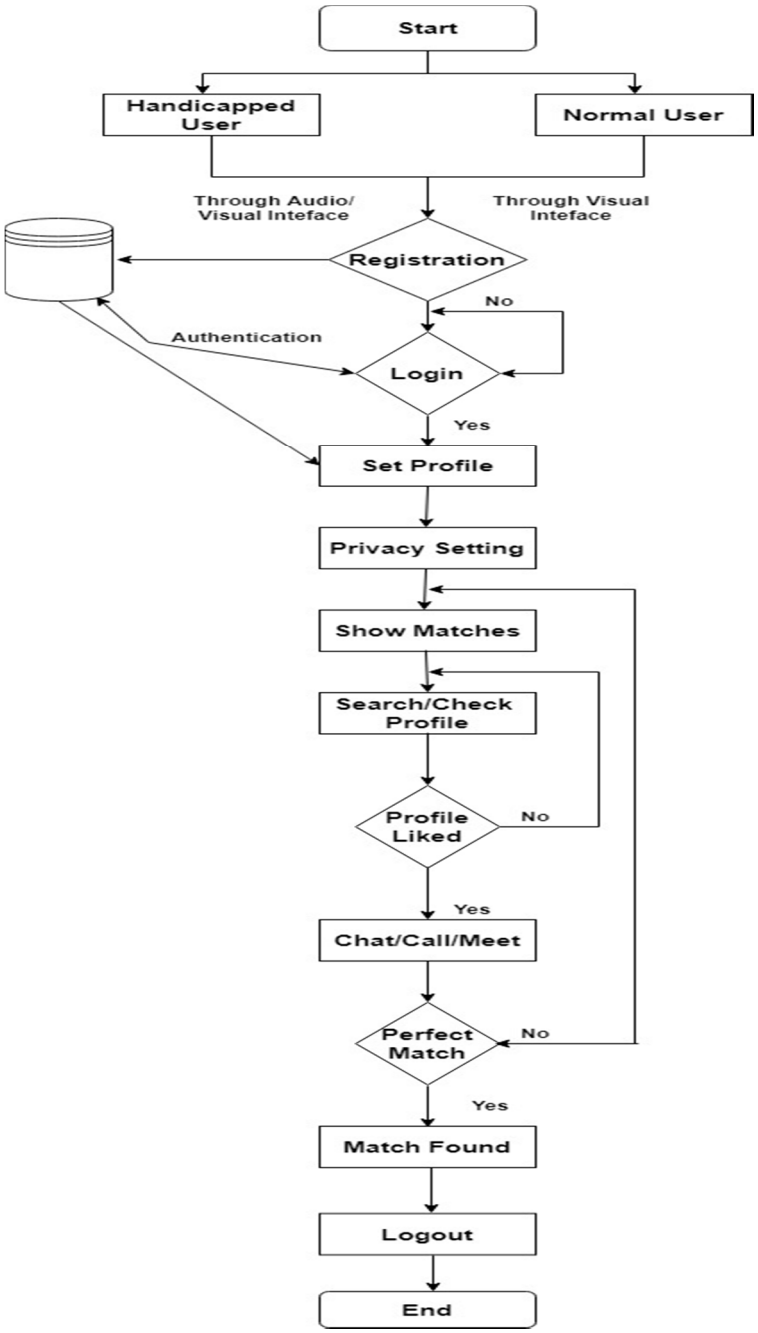

Figure: 1.Steps involved in Matchmaking

The android application HANDMATCH has the two user one is cripple and the other normal one .Normal people can register through visualization and Cripple through his/her voice. Cripple user can set their profile, privacy through his/her voice and when system found matches according to user preferences then he/she will get notified ,when both the side each other liked their profiles then only they can chat through their voice and can meet, same can be done for the normal user but they can use through their visualization. But if not then the system again will notify with new matches according to the preferences. If they meet and liked each other then the user will show match found and then will perfect match if not then system will again notify with new matches. If perfect matches found then they can logout by giving their feedback [1][2][3].

Jeevansathi.com [1].October 1998, Sanjeev Bikhchandani, founder and executive vice chairman of Info Edge India, started the matrimonial website. Jeevansathi.com is one of the leading and most trusted matrimony websites in India.[6] Jeevansathi understands the importance of choosing the right partner for match making, especially in the Indian cultural setup.

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Shaadi.com [2]. Shaadi.com began as Sagaai.com in 1997. Its founder, Anupam Mittal, changed its name to Shaadi.com in 1999, believing it to be a more marketable name its initial success was primarily among non-resident Indians, as Internet adoption across India was poor at the time, and conservative parents were hesitant to arrange marriages through a new startup. Despite some early personnel troubles, Shaadi.com saw success over the next fifteen years as Internet adoption increased and people became more receptive to matchmaking [5].

Bharatmatrimony.com [3].BharatMatrimony started by Murugavel Janakiraman website in 2000.while working as a software consultant for Lucent Technologies in Edison, N.J. In the late 1990s he set up a Tamil community web portal, which included matrimonial ads. He started BharatMatrimony after noticing the matrimonial ads generated most of his web traffic. He returned to India in 2004.Back in the early 2000s, when there was skepticism about online matrimony and fear about paying online, the company pioneered doorstep collections in India. The company introduced features on their website like Matchboard, Soul Mate Search, AstroMatch, and Express Interest to help customers make the right matches [5].

Matrimonial sites	**Shadi.com**[1]	**Jeevanshathi.com**[2]	**Bharatmatrimony.com**[3]
About	Shaadi.com, the world's largest online matchmaking site was founded with	Jeevansathi.com is one of the leading and most trusted matrimony websites in India. Jeevansathi	Bharat Matrimony, India's leading provider of online matchmaking sites it find matches
Search Technology	Customization, filtering, and blocking systems strive to build technology that will only bring you matches that are relevant to you.	Customization, filtering are based on Indian Cultural setup, blocking systems strive to build technology that will only bring you matches that are relevant to you.	Customization, filtering are done through location, horoscope, caste, religion, blocking can be done if harassment cases occurs and finally the perfect match can be Found.
Premium Account	A Premium Membership Plans have been created to ensure you meet your life partner soon as you connect with people you like in various convenient way.	Membership plans: Send personalized messages to members you like, Send chat requests to members, View contact details of the members, Show your contact details to other members	Offers you free Premium Membership for the first 6 months, which means you can express interest to other members, view mobile numbers of other members and chat with them for Free.

Figure: 2.Table of Literature survey

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SECURED ONLINE MATRIMONIAL SYSTEM [4]. The main objective of Secured Online Matrimonial System is to provide Grooms and Brides with excellent matchmaking experience by exploring the opportunities and resources to meet true to potential partner. The drawback of existing system is that searching a good life partner in this world is the times Consuming and cost effective. Online matrimonial system is used to overcome these drawbacks [8][10][15].

METHOD AND APPARATUS FOR WEBSITE NAVIGATION BY THE VISUALLY IMPARED [5].Says that is a server-side method and apparatus that enables visually-impaired users to navigate websites and hear high-quality streaming audio of narration and description of each website. The system involves creating an audible website corresponding to an original website by utilizing voice talent to read and describe web content and create audio files for each section within an original website, then assigning a hierarchy and navigation system based on the original website design[9].

Voice Based Email for Blind People [6] say that voicemail system architecture that can be used by a blind person to access e-mails easily and efficiently. The contribution made by this research has enabled the blind people to send and receive voice-based e-mail messages in their native language with the help of a mobile device. Our proposed system GUI has been evaluated against the GUI of a traditional mail server. We found that our proposed architecture performs much better than that of the existing GUIS. In this project, we use voice to text and text to voice technique access for blind people[11][12][13].

III. EXPERIMENT WORKS

The process will be carried out in the following steps

A. Register with aadhar card using voice
B. Login with voice with aadhar verification
C. Set profile using voice
D. Show matched candidate on home page
E. Chatting with user
F. Can update own profile(set profile)

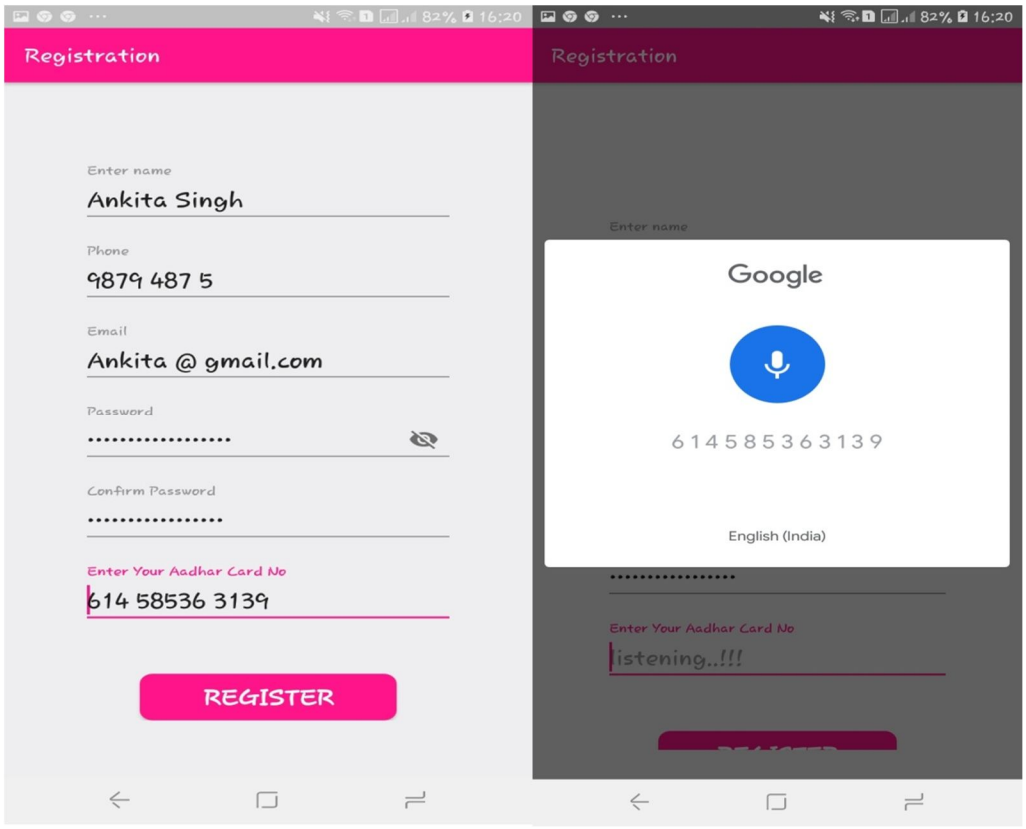

Figure: 3.Register with aadhar card using voice

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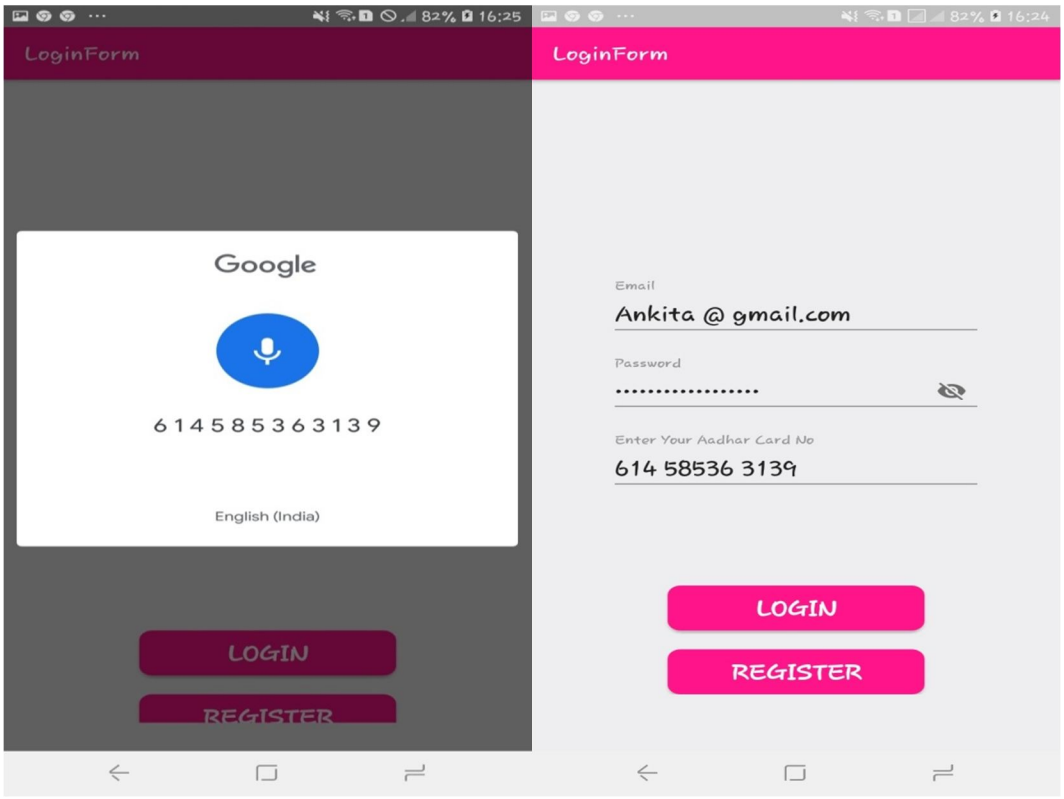

Figure: 4.Login with voice with aadhar verification

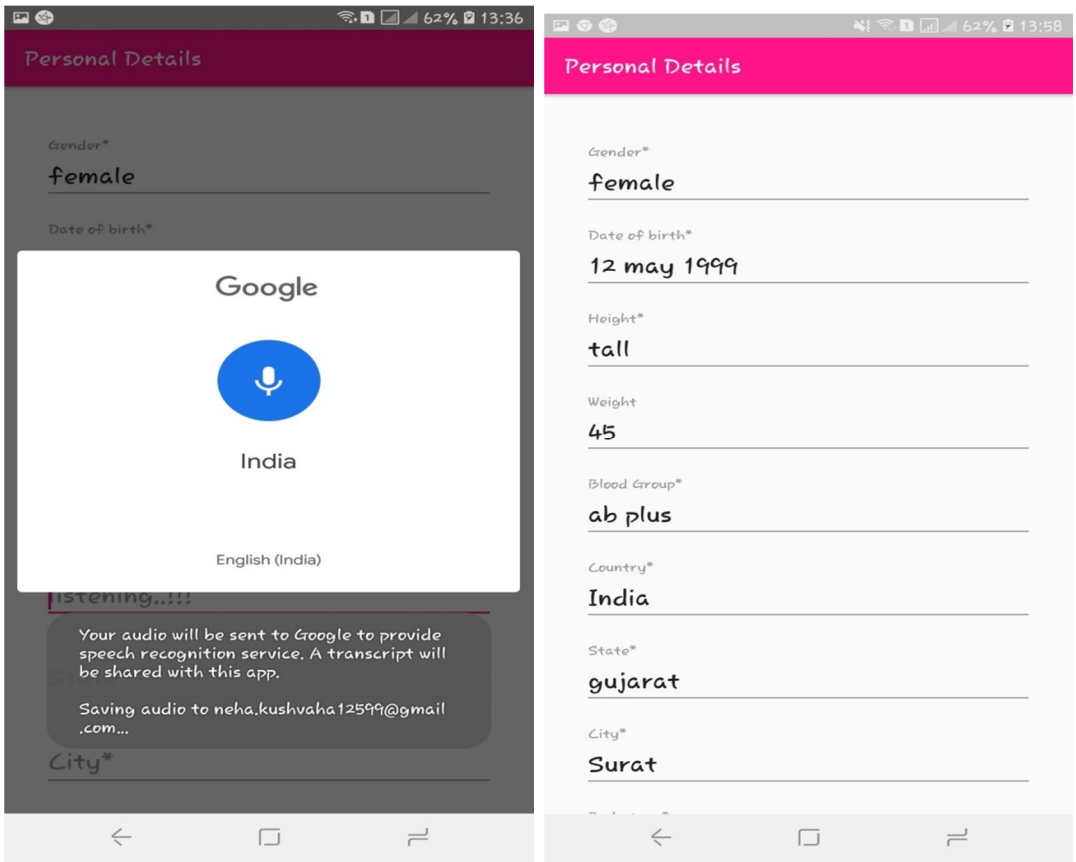

Figure: 5.Set profile using voice

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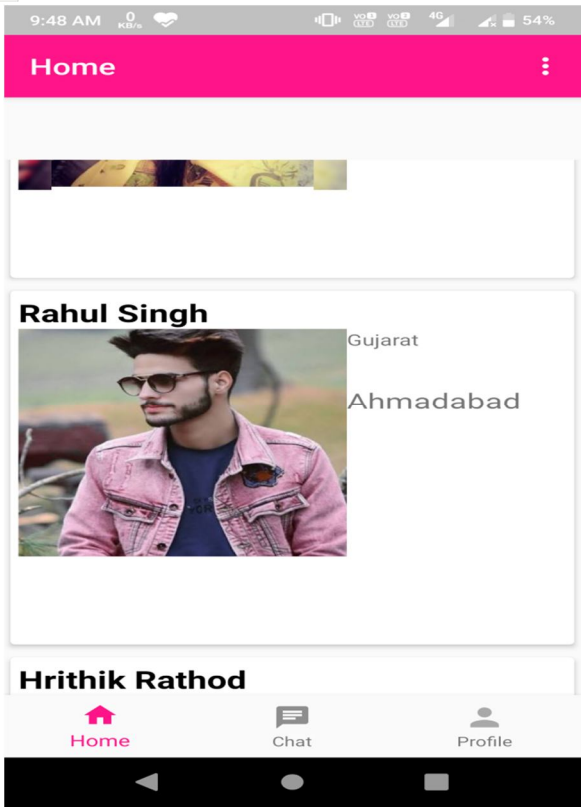

Figure:6.Show matched candidate on homepage

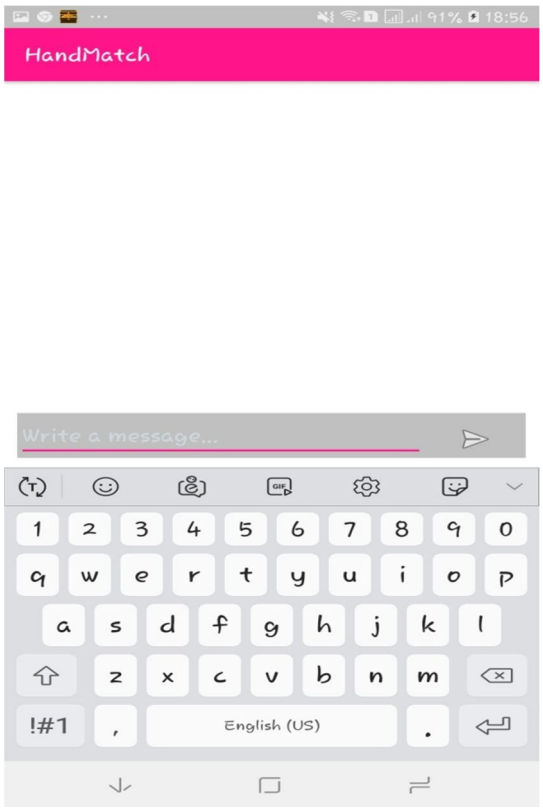

Figure: 7.Chatting with user

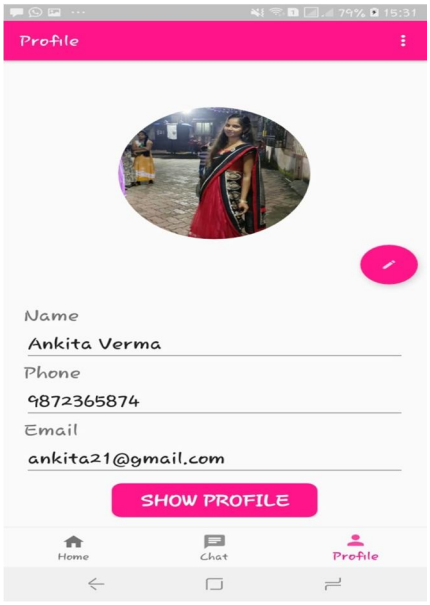

Figure:8.Can update own profile(set profile)

IV. CONCLUSION AND FUTURE WORK

This Android Application provides features like the cripple person can register, login and set their profile by their own without taking anyone's help. The cripple person interacts with the system through an audio interface. The cripple person can like profile and chat with another candidate if they found that another person is according to their preference then they can approaches for the marriage. All this things is done through an audio. This application is also for the normal person they can do same thing manually.

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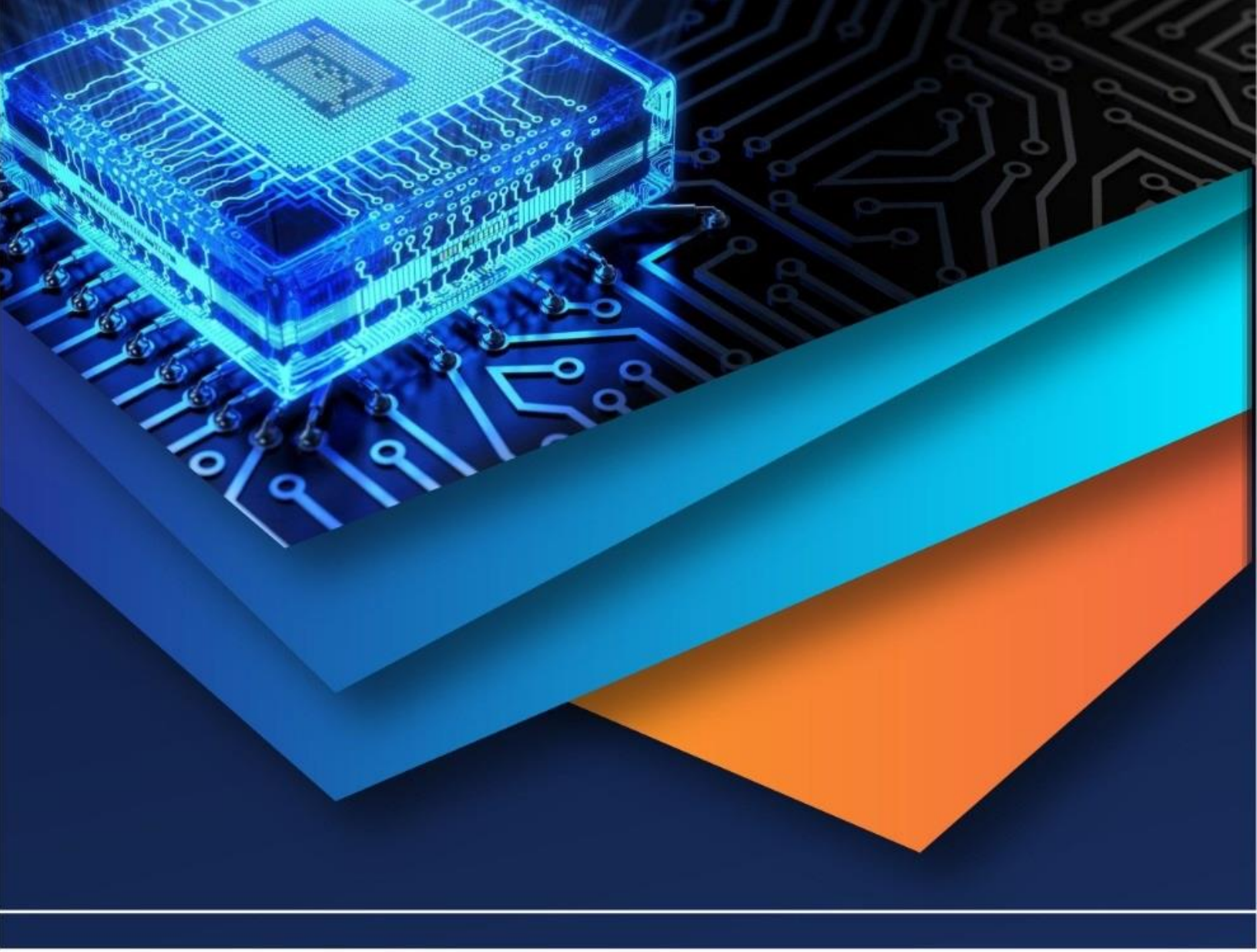

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