

Vlog Book: A Travel Guide Application

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Abstract--The Vlogbook aims to develop a website or social media platform for vloggers to share their travel experiences and hidden gems in different locations. The platform's primary objective is to provide a space where vloggers can showcase their travel videos and blogs while giving nearby users a chance to discover and explore underrated places in their area. This work emphasizes creating an intuitive interface which enables vloggers to upload and share their content. It also provides an easy-to-use platform to search, browse and rate different locations. The Vlogbook intends to offer a platform that encourages users to explore and share their travel experiences, making it a hub for travel enthusiasts worldwide.

Index Terms--Vlogging, Social Media, Travel guide, Android application.

I. INTRODUCTION

As technology advances and social media becomes increasingly prevalent in our daily lives, the world of vlogging has emerged as a popular platform for sharing experiences and discoveries. Vloggers are individuals who create and share videos on the internet, often documenting their daily lives or exploring new places and experiences [1,2]. With the growing popularity of vlogging, there is a need for a specialized platform that specially addresses to the requirements of vloggers and their followers. Enter Vlogbook, a website or social media platform designed specifically for vloggers to share their experiences and discoveries of underrated places in their local areas. With Vlogbook, vloggers can post their videos and write about the hidden gems in their cities, towns, and neighborhoods [1,2,3,4]. They can also rate these places based on their experiences and provide helpful tips and insights for other users [5,6]. For users, Vlogbook offers a unique way to discover new places that they may not have otherwise known about. By relying on the experiences of other vloggers, users can find hidden gems in their local areas that are off the beaten path and may not be well-known to the general public. One of the main goals of Vlogbook is to promote local businesses and attractions that may not receive as much attention as larger, more well-known

destinations [7,8,9]. By providing a platform for vloggers to showcase these places, Vlogbook hopes to boost tourism in these areas and support small businesses and entrepreneurs. In addition to promoting local businesses, Vlogbook also provides a sense of community for vloggers and their followers. By sharing their experiences and discoveries with others, vloggers can connect with peers and promote a sense of camaraderie and support. Overall, Vlogbook is a unique platform that specially addresses to the requirements of vloggers and their followers. By promoting local businesses and attractions and fostering a sense of community among vloggers and users, Vlogbook aims to revolutionize the world of vlogging and provide a valuable resource for those looking to discover new and underrated places in their local areas.

II. METHODOLOGY

The objective of the application is to check the user's location and suggest him places posted by vloggers on our website near them. The website provides a user-friendly interactive user interface for both viewers and creators, creating a space for creativity and its necessity in the form of technology. With the increase in the recent trend of vloggers, a separate social media to encourage their creativity is as necessary as for viewers to explore the hidden gems of a city. The current popular social media platforms, Facebook, Twitter, and Instagram are not specific to the users, Thus creating a specific website, keeping in mind the interest of vloggers led to the formation of a logbook. With ReactJS we could build complex user interfaces in a modular and efficient way, thanks to its component-based architecture and virtual DOM. This can lead to faster development times and better maintainability of the codebase. We tried and are continuously trying to make the vlogbook as user-friendly as possible, a combination of css, bootstrap, and material ui is used for creating the user interface. Node.js was an excellent choice for our backend development due to several key reasons. One of the primary advantages of Node.js is that it is built on the JavaScript programming language, which is a language that many developers are already familiar with, making it easy to pick up and start using. Node.js is also known for its ability to handle large amounts of traffic and data, making it a suitable choice for building scalable web applications. It achieves this by using an event-driven, non-blocking I/O model that allows it to handle many simultaneous connections without slowing down. For our database management, we are using MongoDB, which uses a flexible document-based data model that can be adapted to a wide range of data types and structures. This can

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make it easier to work with data that is complex or constantly changing.

A. Location Identifier

The react based web application uses geo-location to fetch the user's location, but keeping in mind that geo-location accuracy depends on the network and the accuracy of the system, we avail an option to manually set the location. https://nominatim.openstreetmap.org, is used for reverse decoding of location coordinates. Once location coordinates are received from the geo-location, we reverse decoding it to get the current address corresponding to it. On the other hand, when a user types the name of the city/place we are searching for its current location coordinates to match the places nearest to it. Fig.1 shows how vlogbook uses geolocation.

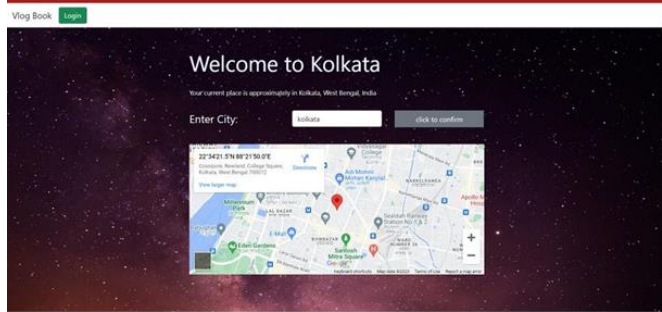


Fig1: location using geo-location

B. Article Management

The post model contains specific information about the place with all its feedback from real users. To avoid clickbait an inbuilt library of sentiment analysis is made on the comments to judge its authenticity. If the majority of the comments are analyzed to be negative the background color is changed to make users aware of the possible clickbait. User doesn't need to scroll through the comments to self-analyze the authenticity of the place. Fig 2a and Fig 2b show how the real feedbacks influence the user.

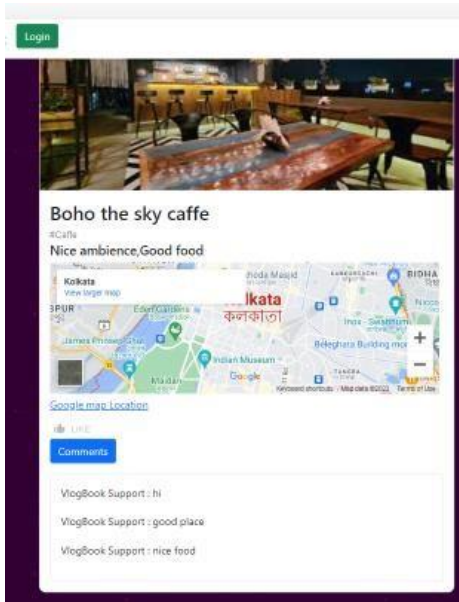


Fig 2a: Normal

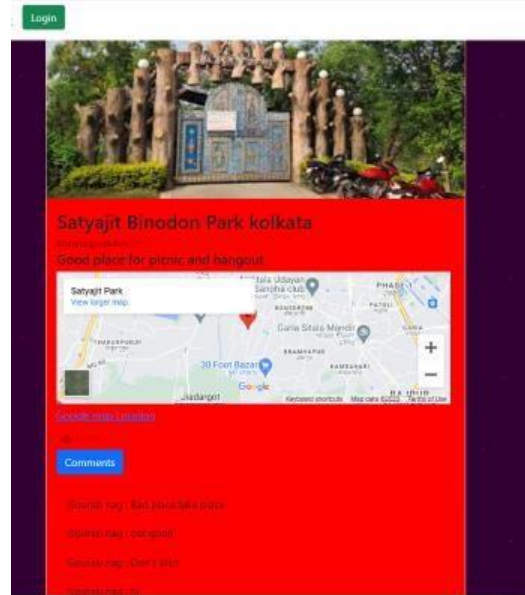


Fig 2b: After auto analyses

Fig 2: Self-analyses the authenticity of the place using color

C. User Management

Users can easily and securely Sign in or Sign up on our website Google authentication feature, makes it simple to log in using the user's Google account. Once a user is successfully logged in, he/she can easily post vlogs, Update their vlogs, delete their vlogs, view other vlogs, comment, like, and keep using the application. Fig 3a and Fig 3b show the Sign in and Sign up pages.

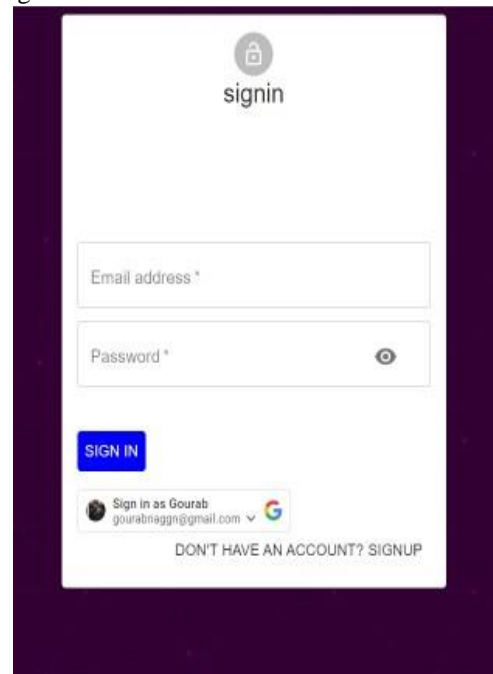


Fig 3a Sign in

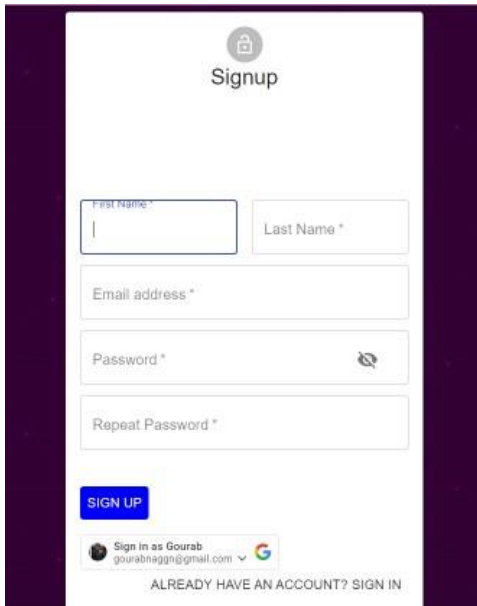


Fig 3b Sign up

D. Post Management

Once a user is logged in, he will be able to create his vlog using a simple, user-friendly form. Adding the details the post will be immediately made live and active for other users' feedback. User can also update their vlog once it's uploaded. Fig 4a and Fig 4b show the structures during the creation and updating of the vlog while Fig 4c shows the structure during searching the vlog.

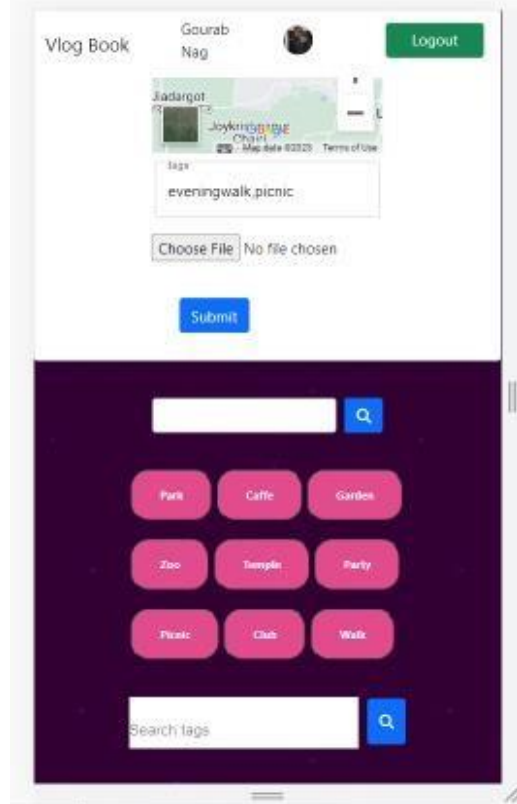


Fig 4c: searching the vlog

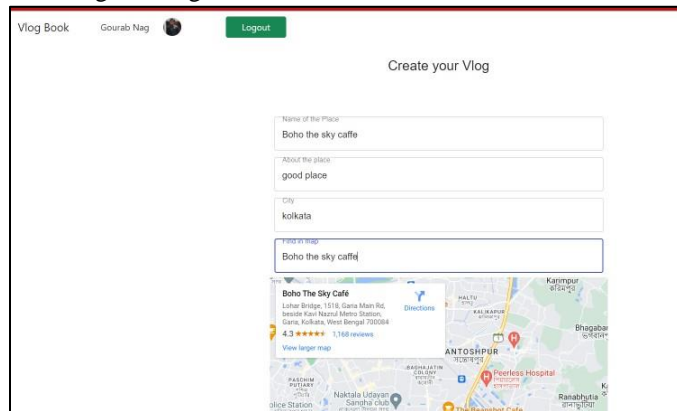


Fig 4a During Creation of the Vlog

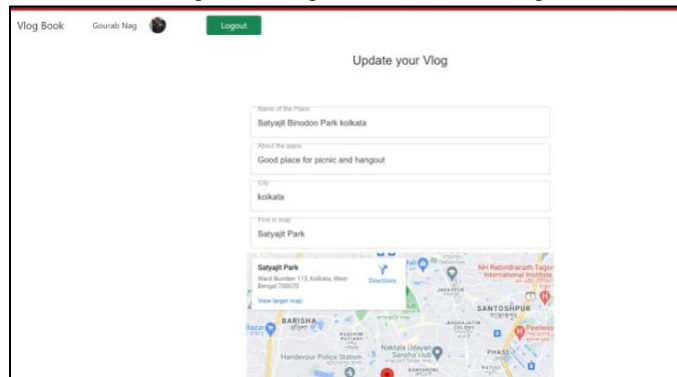


Fig 4b: During Updating of the Vlog

III. RESULTS & ANALYSIS

A survey was conducted in 2016 where it analyses the potential of vlogging. From that survey, we found that 4 out of 10 YouTube users watched vlogs as shown in Fig 5. More than 50% of people aged lies between (16-24) watched vlogs. Around 50% of people whose aged lies between (25-34) watched vlogs. More than 40% of people whose age lies between (35-44) watched vlogs. More than 25% of people aged (45-54) watched vlogs. More than 20% of people aged is (55 or above) watched vlogs.

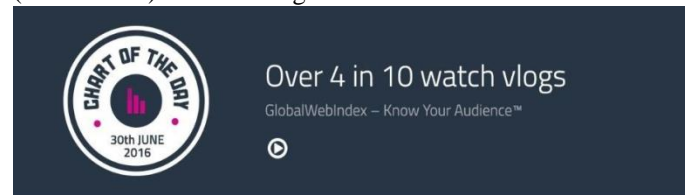
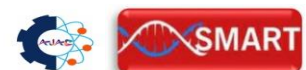
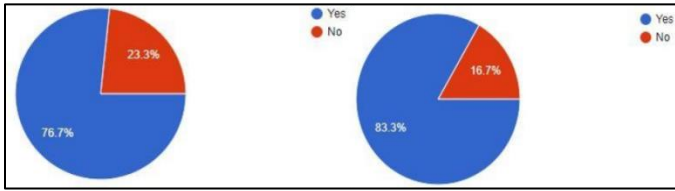


Fig 5: Engagements with a Vlog



We conducted a survey. The survey was completed by 52 respondents (9.8% of the potential sample), with 20 college students, 6 Master’s students, and others. We asked them 5 questions. Questions:

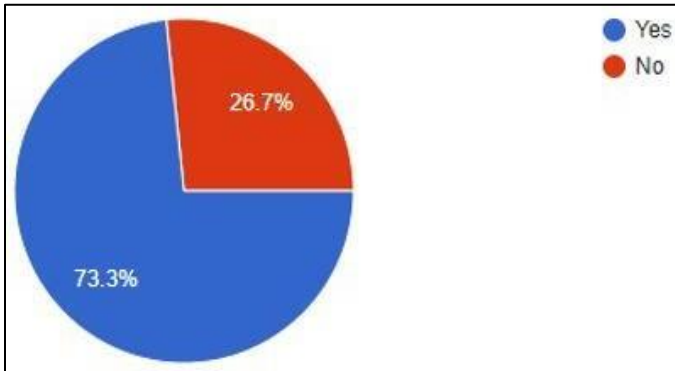
Q.1: Do you love vlogging about a new place? Q.2: Do you want to explore hidden places in your city?



Q1:

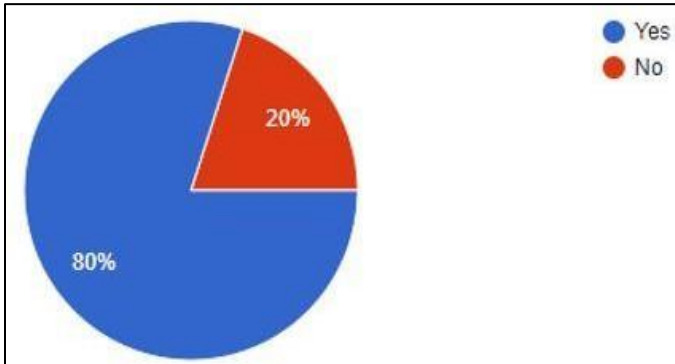
Q2:

Q.3 Do you find it difficult to find underrated places in social media?



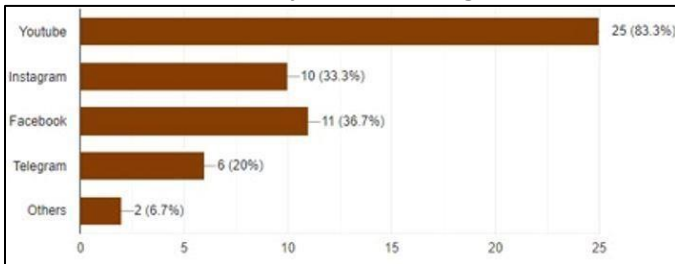
Q3:

Q.4 Is there a need for a separate social media to connect vloggers?



Q4:

Q.5 Which website do they use to see vlogs?



Q5:

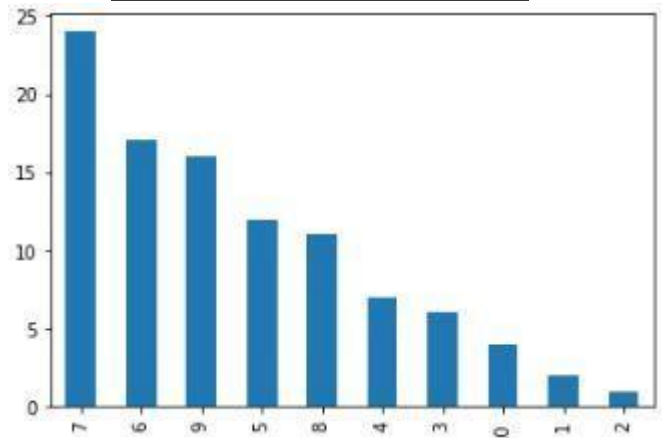
So from the survey, we can say that 76.7% of them love to see vlogs in new places and most of them use YouTube as their first choice. From the third question, we can see that

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73.3% of people found it difficult to find underrated places on social media. From this analysis, we can say that YouTube, Facebook, and Instagram are not able to fulfill their demand. From the 4th question, we can see that 80% of people need a separate social media to connect with vloggers. So there is a huge potential if we create a separate website for them

After we launched our website, we asked the users about their reviews (1-10) on our website. We received 100 responses as shown below.

	Age	Rating
count	100.000000	100.000000
mean	39.010000	6.520000
std	18.851624	2.032464
min	12.000000	1.000000
25%	23.500000	5.000000
50%	35.000000	7.000000
75%	52.250000	8.000000
max	79.000000	10.000000



From this analysis, we can say that most of our users are below the age of 40. The average rating provided by them is 6.52 (~7). The 50 percentile gave a rating of 7 and the 75 percentile gave a rating of 8 out of 10. So we can say that most of the users like our website.

IV. CONCLUSION

In this article, we are providing a platform for the user where they can explore the underrated areas which are still unaware to travel lovers. Our platform successfully considered all age people to consider their choices. The survey result shows the importance and relevance of this travel guide. We will be providing more features to make this vlog book more popular and useful to travel lovers.

V. REFERENCES

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