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Eternal Events An AI Based Event Recommendation System with Post Event Features

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ABSTRACT

The swift growth of data on the internet presents difficulties in assessing and obtaining pertinent information, particularly when handling substantial amounts. In order to provide individualized event and venue recommendations for both individuals and groups, this paper presents an AI-based event recommendation system. The system addresses problems of data sparsity and user preference alignment by utilizing a hybrid approach that combines content-based and collaborative filtering methods. The platform improves user engagement and assists event organizers in choosing appropriate venues based on the locations and interests of their guests by providing personalized recommendations. The suggested system is a useful tool for event management and planning since it automates a number of tasks, increasing productivity and decreasing human labour.

Keywords: Recommendation System, Machine Learning, Data Mining, Event Planning

1. INTRODUCTION

Oftentimes, event planning entails selecting venues that specifically consider the diverse interests and backgrounds of attendees. Conventional approaches to decision-making heavily rely on independent guidance and human investigation, both of which can be time-consuming and prone to error. The artificial intelligence-based Occasion Proposal Framework combines information-driven methods to handle suggested settings for various occasions, such as weddings, parties, and meetups, in order to address these challenges. The framework considers a number of factors, such as sceneries, clients, and events, in order to provide personalized and context-aware suggestions. By providing tailored setting recommendations that are tailored to different participant interests and foundations, the Event Proposition System leverages human intelligence to disrupt event planning. Traditional dynamic strategies, which often rely on free examination and can be laborious and prone to errors, are superseded by this inventive process. Through the amalgamation of data-driven techniques, the system evaluates crucial elements such as topography, customer preferences, and specific event categories including marriages, celebrations, and get-togethers to provide thoughtful setting suggestions. This is a major advancement in the realm of occasion management since it streamlines the planning

process and improves the overall event insight for attendees.

2. METHODOLOGY

The framework combines cooperative and content-based filtering techniques:

1. Content-Based Filtering: This method generates personalized scenario ideas by dissecting each client's story, preferences, and event context. By using current client information, it passes the information sparsity test.

2. Collaborative Filtering: The framework proposes scenes that correspond with overall preferences by identifying similarities across customers, environments, and events. In order to improve bunch fulfillment , the framework suggests sceneries for bunch proposals that are topographically beneficial for each participant.

3. FINDINGS

3.1. Motive

By providing personalized recommendations based on preferences, location, and previous behaviour patterns, an event proposal framework task can improve the customer experience. It can also help clients discover new events, get more direction, and promote community by suggesting activities that fit their interests. Additionally, this framework can increase event coordinators' perception and involvement and provide valuable information for upcoming updates.

3.2 Technology Implemented

Operating System	:	Windows
IDE	:	Xampp
Front End	:	Php
Back End	:	Mysql

3.3. System Architecture

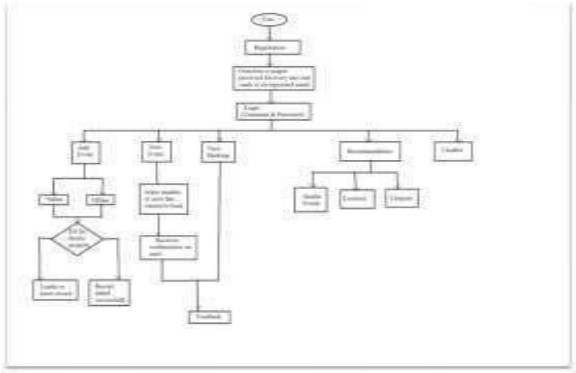

Figure 1.Architectural Diagram

4. MODULES

1. **User Authentication**
   Every person has a basic degree of wellbeing called Enrolment Interaction. For this strategy, the PC clients provide their personal data. As a result, the server retails the data it has, and the data set can provide a group to integrate individuals using their contact list.

2. **Insert Events And View Events**
   The proprietor may incorporate the events they have facilitated into their events package; additionally, attendees may bring information sources; individual web facilitating capabilities within their location may also be selected and added to event data; and clients may surely view the posting of episodes they have facilitated throughout their region.

3. **Individual User Recommendation**
   The client is free to choose the location of the event that best suits their interests; all nearby conditions that support each choice will be presented in the fine print. The customer may select and observe the location and event hosted within the designated times as indicated by the client selection of the suggested times.

4. **Group Recommendation**
   The client can select the times, as well as drive, embed details in the group the way the spot will be displayed for individuals, and choose the synopsis of people likely to participate in an event. The chosen clients' spot will be gathered together, and the center

reason for the area accumulated assessed as well as per customer tendency occasions will be prompted

5. PROPOSED SYSTEM

The essence of our suggested approach lies in cultivating a recommendation system that attends to both individuals and groups. Through the use of this method, participants can also add event details and clients can incorporate past and future events that were held at the sites of their choice. This helps to alleviate knowledge gaps. Customers should select the type of suggestion—for an individual or a group—while searching for a setting considering the circumstances. To coordinate cooperative and content-based sifting techniques, the framework makes use of an agreement mechanism. While content-based sorting makes use of pertinent data, such as a client's event history or examination behaviour, to provide recommendations, cooperative sorting uses ideas from the client. To increase the precision of the suggestion, half breed sifting combines these ideas. Customers can choose their own prices for single-client proposals.for instance, events they are eager to participate in, and the framework will recommend appropriate settings based on these preferences. By combining historical and prospective event data, the framework is meant to suggest appropriate scenarios for both individual customers and groups. Ultimately, this will enhance the suggestion cycle by utilizing a collaborative and thoughtful approach.

Advantages of Proposed Systems

- In recommendation end user can select list of people going to participate in an event.
- Location of all the selected members will be collected and center point of location gathered calculated and based on user preference venue will be recommended.
- User can select the different type of package and send place details to the group along with the location.
- It will be displayed for all the users in the page.
- The various modules in our system are user authentication.

6. CONCLUSION

A significant advancement in today's occasion board innovation isaddressed by the enhancement of the online business webapplicationfor occasion items. Throughout this project, we haveattempted tocreate a comprehensive stage that addresses the manyneeds of eventorganizers, vendors, and attendees whilesimultaneously promoting collaboration and communityinvolvement within theevent ecosystem. Over the course of theadvancement lifecycle, wehave focused on a few main objectives:Customer Experience In orderto ensure that customers can explorethe stage with ease and beperfectly drawn in by its highlights, weconcentrated on creating anatural and simple-to-use interface.Through the integration ofiterative planning methods and client feedback, we have endeavoured to deliver an application that

7. REFERENCE

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