SOLO TRAVEL BUDDY

ABSTRACT

Solo travel has become increasingly popular, but many travelers struggle with choosing destinations, connecting with like-minded individuals, and managing their expenses effectively. This project presents a web application that leverages machine learning to provide a seamless experience for solo travelers by addressing these challenges. The application allows users to input their preferences, such as budget, interests, and travel style. Using machine learning algorithms, it recommends personalized travel destinations tailored to the user's profile. The platform also includes a matching feature that connects solo travelers with others who share similar interests or itineraries, fostering community and safety.

Additionally, the web application incorporates a money-tracking feature to help users monitor and manage their travel expenses efficiently. By integrating machine learning for recommendations, traveler matching, and expense tracking, this web application provides a comprehensive solution for solo travelers, making their journeys more enjoyable and hassle-free. This project demonstrates the power of machine learning in enhancing user experience and aims to redefine solo travel by offering personalized, data-driven solutions.

Technologies used:

Frontend: HTML, CSS, JavaScript.

Backend: Flask

Machine Learning: Scikit-learn for destination recommendation algorithms,Clustering for user profile matching.

Database: MYSQL for storing user profiles and expenses.

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