

Project Progress Report –4

Smart Calorie Analyzer

Name: Jayasree Dondapati

Student ID: 02081274

Project: Smart Calorie Analyzer

What Am I Proud about:

This week, significant progress has been made in our project focused on geocoding locations to retrieve latitude, longitude, state, and city details using the Google Geocoding API. The primary goal was to create a seamless user experience by allowing users to input a location and receive accurate geographic information. The implementation involved integrating the Google Geocoding API into our application, enabling us to convert user-provided addresses into precise latitude and longitude coordinates. Challenges encountered, such as variability in response structures and user permission issues, were effectively addressed, contributing to the robustness of our application.

Next Step:

As we move forward with the development of our application, the next strategic step involves the user experience by suggesting content based on the precise location retrieved through the Google Geocoding API. This enhancement aims to provide users with tailored and relevant recommendations tied to their geographical context. Our plan includes establishing a comprehensive content database associating specific information with various locations, such as points of interest, events, or relevant recommendations.

Details:

Our application has made substantial progress with the successful development and implementation of essential features such as user registration, login, calorie counting, BMI calculation, and the retrieval of user location details through the Google Geocoding API. Building upon this foundation, our focus now shifts toward further enriching the application with additional features that enhance the overall user experience.