Project Title

Interactive Sports Gear Recommendation System

Project Description:

- Problem Domain: Many individuals, especially those new to a sport, struggle to choose the appropriate sports equipment due to the vast array of options and lack of personalized guidance.
- Purpose: To provide a user-friendly, web-based application that offers personalized sports gear recommendations based on the user's sport of interest, skill level, physical attributes, and preferences.
- Target Users: Sports enthusiasts of all levels, from beginners to advanced athletes, looking for guidance on selecting the right equipment for their needs.

Feature Set:

1.0 Feature Set:

- User Profile Creation: Users can create profiles and input details like their sport of interest, skill level, height, weight, and personal preferences.
- Personalized Recommendation Engine: Based on user profiles, the system provides tailored equipment suggestions.
- Product Database: A comprehensive list of sports gear with details like specifications, price, and user ratings.
- User Reviews and Ratings: Users can read and submit reviews and ratings for different products.
- Comparison Tool: Allows users to compare different products side-by-side.

Bonus Features:

- Virtual Try-On: Augmented reality feature to virtually try on gear like shoes, helmets, or gloves.
- Community Forum: A platform for users to discuss equipment, share experiences, and ask for advice.
- Expert Advice: Integration of expert opinions or articles on sports gear selection.

Target Platform:

- Full-stack Web
    - Backend: Python with Django or Flask for a robust, scalable application.
    - Frontend: HTML, CSS, JavaScript (React or Angular for a dynamic user experience).
    - Database: MySQL or PostgreSQL for storing user profiles, product data, and reviews.