

SIH 2024 (1599)

// problem Statement- "Ideas that can boost fitness activities and assist in keeping fit."

// Project - Social Fitness Platform (Web Application)

// 4 Phases

Front-end -> Back-end -> Database -> APIs

1. Front-end Phase

HTML

CSS

JavaScript

Frameworks/Libraries:

React: For building dynamic UIs.

Angular: For comprehensive web application development.

Vue.js: For flexible and progressive user interfaces.

2. Back-end Phase

Node.js (Language)

Express.js (Framework)

PostgreSQL/MongoDB (Database)

JSON Web Tokens (Authentication)

AWS (Hosting)

3. Database Phase

MongoDB (we preferred)

4. API Phase

API phase, focus on creating RESTful endpoints for user management, fitness tracking, challenges, and social interactions, using JWT for authentication, JSON for data format (Basically building Communication between Back-end and Front-end)