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- Organisation : Govt. of Punjab (Punjab Skill Development Mission)
- Problem Statement ID : 1630
- Problem Statement Title : Mentor Connect
- Theme : Software
- PS Category : Smart Education
- Team Name : Null Ninjas

Our Team

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NULLNINJAS

Problem Statement

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Background

- Career mentorship is essential for professional growth, but the current systems do not efficiently connect mentees with experienced mentors across diverse fields.

- The lack of a centralized platform limits access to mentorship, impacting career development and skill acquisition for aspiring professionals.

Objective

- Create a Mentoring Platform with automated scheduling, video call integration, and chat features to streamline mentor-mentee connections and enhance professional growth.

Solution

MentorConnect links MentorConnect pairs mentees with business leaders to advance careers and develop skills. Leveraging machine learning, it offers personalized mentorship, automates scheduling, and ensures secure, interactive communication.

Smart Mentor Matching

- AI-driven algorithms match mentees with mentors based on interests, skills, and career goals, continuously refining for optimal pairings.

Automated Scheduling System

- Integrated calendar syncs with popular tools (Google Calendar, Outlook) to automate meeting scheduling, enabling quick and easy time selection.

Our Mentor Bridge Website

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User Interface

- A user-friendly interface (built with React.js) allows easy mentor selection and scheduling, featuring a visual calendar (FullCalendar.js) and automatic notifications via Firebase Cloud Messaging.

Mentorship Progress Tracking

- An interactive dashboard tracks mentee goals, session details, and overall progress.

Video and Chat

- Secure WebRTC-based video calls enable face-to-face mentoring, with real-time chat for text communication, resource sharing, and group or one-on-one sessions.

USP

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Automated and Intelligent Scheduling:

- Automated calendar efficiently connects mentors and mentees, managing time slots to avoid conflicts.

Seamless Virtual Mentoring:

- Integrated video and chat ensure secure, productive mentoring sessions.

Personalized Mentor-Mentee Matching:

- AI-driven algorithms offer tailored mentor recommendations for a more effective experience.

Comprehensive Development and Feedback Loop:

- Supports growth with agenda setting, session notes, and detailed feedback.

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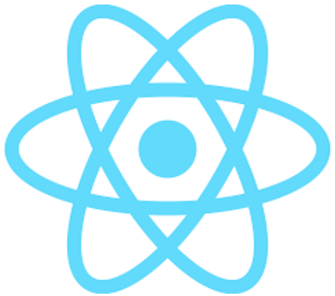
<Tech Stack>

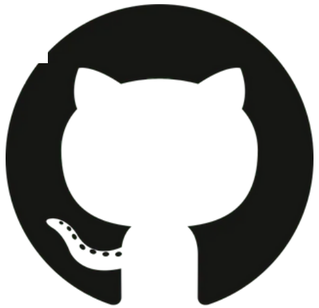


AXIOS

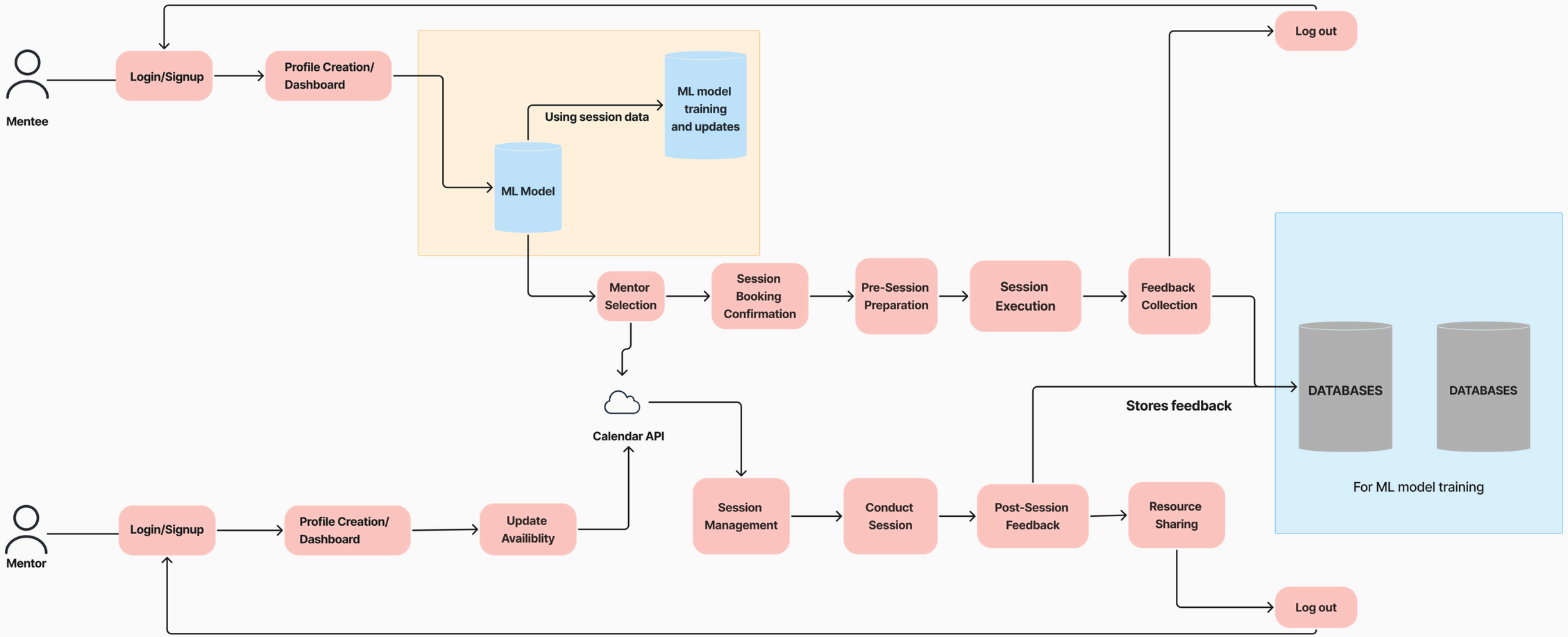
EXPRESS Js

TensorFlow

socket.io



Flow chart


Mentee
Login/Signup
Profile Creation/ Dashboard
Using session data
ML model training and updates
ML Model
Log out
Mentor Selection
Session Booking Confirmation
Pre-Session Preparation
Session Execution
Feedback Collection
DATABASES
DATABASES
Stores feedback
For ML model training
Calendar API
Mentor
Login/Signup
Profile Creation/ Dashboard
Update Availiblity
Session Management
Conduct Session
Post-Session Feedback
Resource Sharing
Log out

Business Model

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Licensing to Educational Institutions

- License the platform to universities and colleges, offering tailored features and dedicated support for their financial management.

Government and NGO Grants

- Secure educational grants to enhance the platform and expand its reach.

Corporate Partnerships

- Collaborate with companies for sponsorships, branding, and internship opportunities, boosting visibility on the platform.

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THANK YOU