HORIZON

%ebx presents you :

Alumini
Connect

DCODR
THE CODING CLUB

A DIGITAL ALUMNI ENGAGEMENT PLATFORM
TO STRENGTHEN CONNECTIONS BETWEEN
ALUMNI AND STUDENTS, FACILITATING
MENTORSHIP, CAREER GUIDANCE, AND
PROFESSIONAL NETWORKING.

Objective

Educational institutions frequently face challenges in tracking and engaging alumni. A robust digital platform can bridge this gap by offering features such as mentorship programs, career guidance, alumni meetups, and networking opportunities. The platform should facilitate seamless communication and content sharing, fostering a strong, ongoing connection between alumni and the institution.

Solution

The Alumni Connect platform is designed to enhance alumni engagement by integrating key features that foster mentorship, career guidance, and professional networking. The platform includes dedicated pages for networking, events, resources, and mentorship, ensuring a seamless user experience. The system also includes a secure authentication mechanism and personalized dashboards to enhance user interaction. Through these features, the platform strengthens alumni-institution ties and creates valuable professional opportunities.

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Key Features

Mentorship & Career Guidance

Professional Networking

Real-Time Chat & Messaging

Event Management

Resource Sharing

Personalized Dashboard

Secure Authentication

Technologies Used

Tailwind CSS

Node.js

Database Management (SQL)

JWT Authentication

Solutions Implemented

1

User Authentication & Role-Based Access

2

Mentorship & Career Guidance

3

Networking & Communication

4

Resource Sharing & Job Opportunities

Challenges Faced

- **Scalability & Performance :** Managing a large database of alumni and students while ensuring smooth real-time interactions posed a challenge.

- **Ensuring Secure & Private Communication :** Needed to implement end-to-end encryption or secure API communication for chat and messages.

- **User Engagement & Retention :** Designed an intuitive and responsive UI to improve user experience and reduce drop-off rates.

- **Frontend & Backend Integration :** Handling complex interactions between the frontend (React) and backend (Node.js) required efficient API design