

Elev8 – Interview Preparation Platform

Domain: Web Development, EdTech

1. Problem Statement

Many students struggle to prepare effectively for interviews due to lack of structured practice, personalized feedback, and real-time mock interview experiences. Traditional preparation lacks personalization, leading to low confidence and poor performance.

2. Objective

To create an AI-powered platform that helps students practice aptitude, technical skills, and real-time interview scenarios with instant AI-driven feedback to enhance employability.

3. Proposed Solution

Elev8 will combine adaptive learning algorithms, voice recognition, and AI analytics to simulate real interviews and provide actionable improvement suggestions.

4. Key Features

- Adaptive aptitude and coding test modules with difficulty progression
- Topic-wise technical quizzes with instant analytics and reports
- AI-powered voice-based mock interviews with performance feedback
- Personalized preparation roadmap and improvement tracking
- Dashboard for progress visualization and career readiness score

5. Technology Stack

React/Next.js (frontend)

Node.js/Express (backend)

OpenAI APIs,

PostgreSQL/MongoDB (database),

Clerk (Auth) / Firebase.,

External LLM API (for question generation, feedback, interview simulation),

Web Speech API (for voice input/output in mock interviews).

6. Expected Outcome

A ready-to-deploy platform that increases students' confidence and success rate in real-world interviews through AI-driven, personalized preparation.

CineScript AI – Automated Video Script & Animation Generator

Domain: Web Development, MediaTech

1. Problem Statement

Content creators, educators, and marketers spend excessive time brainstorming, writing scripts, and generating visuals for videos, which delays production and increases costs.

2. Objective

To build an AI platform that converts user ideas into structured video scripts and optionally generates scene-based animations automatically, reducing workload and time.

3. Proposed Solution

CineScript AI will allow users to input topics or rough ideas, which will then be processed by AI to generate professional-grade scripts. Optional AI-generated visuals will align with the script scenes for a complete pre-production solution.

4. Key Features

- AI-based script generation from topics/keywords with customizable tone
- Scene-wise formatting with dialogue, narration, and stage directions
- Optional AI-driven animation/visual generation for each scene
- Export scripts in PDF, TXT, or storyboard formats
- Integrated editor for minor manual adjustments

5. Technology Stack

Next.js/React (frontend)

Node.js (backend)

External LLM API (for Script Generation)

Text-to-Image/Animation APIs

6. Expected Outcome

A powerful AI tool that helps creators produce high-quality video scripts and visuals in minutes, transforming video production into a faster, cheaper, and more efficient process.

CampusConnect – Smart Campus Management Platform

Domain: Web Development, EdTech, SaaS

1. Problem Statement

Universities and colleges face challenges in managing events, fee payments, merch sales, and student-teacher engagement due to fragmented tools and manual processes. This leads to inefficiency and poor communication.

2. Objective

To create a unified platform that streamlines campus management, enabling administrators, students, and teachers to interact seamlessly while digitizing key operations.

3. Proposed Solution

CampusConnect will centralize event management, fee collection, and student collaboration into one smart platform accessible from any device.

4. Key Features

- Event creation, registration, and announcements with real-time notifications
- Online fee payment system with secure transactions and receipts
- Merch store for official college products
- Student-teacher discussion forums, chat, and doubt-solving sessions
- Admin panel for user management, analytics, and reports

5. Technology Stack

Next.js/React (frontend)

Node.js/Express (backend)

PostgreSQL (database)

Stripe/Razorpay APIs (payments)

WebSockets (real-time communication)

6. Expected Outcome

An all-in-one digital campus solution that saves time, reduces manual work, and enhances student engagement, paving the way for fully smart campuses.