Add Training Offers Component

Fullstack Project Showcase | Nipun Goel | 2024

NG **by Nipun Goel**

Made with GAMMA

Problem Statement

Inefficient training offer management

Manual processes cause delays and errors

Lack of centralized system

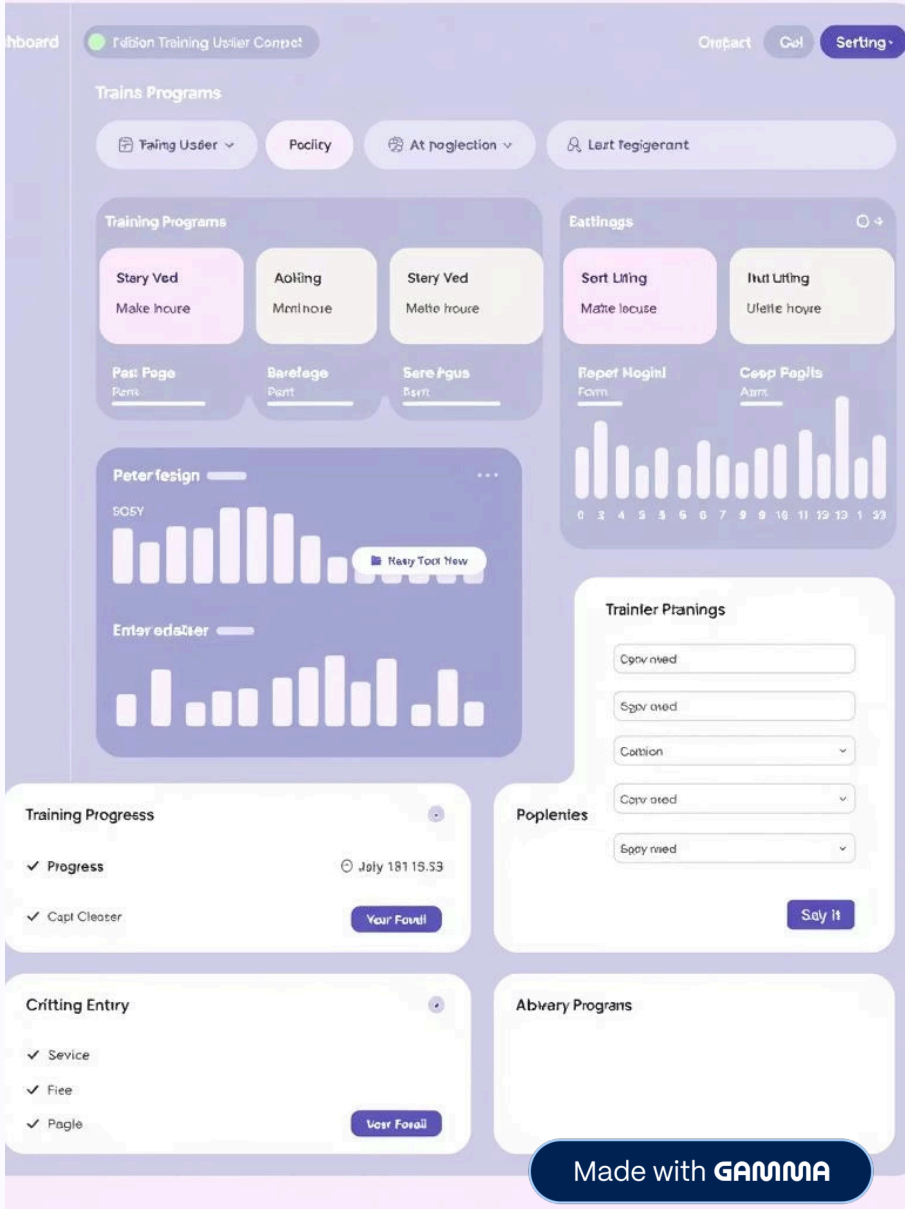
HR struggles to track multiple offers simultaneously

Inconsistent data entry

Leads to compliance risks and confusion

Project Objective

- Simplify training offer management
- Enable multi-step data entry
- Provide file previews
- Allow dynamic tagging for easy categorization



Key Features

- Multi-step offer creation form
- Real-time file previews (PDF, images)
- Dynamic tags for categorization
- JWT authentication for secure access
- Responsive, mobile-friendly design
- Backend validation and error handling

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Tech Stack

ReactJS

Frontend UI development

NodeJS

Server-side runtime

Express

API & routing framework

MongoDB

NoSQL database

Tailwind CSS

Utility-first styling

JWT

Authentication & security

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System Architecture

Frontend

ReactJS SPA communicates via REST APIs

Backend

NodeJS with Express handles logic and JWT auth

Database & Storage

MongoDB stores data and files securely

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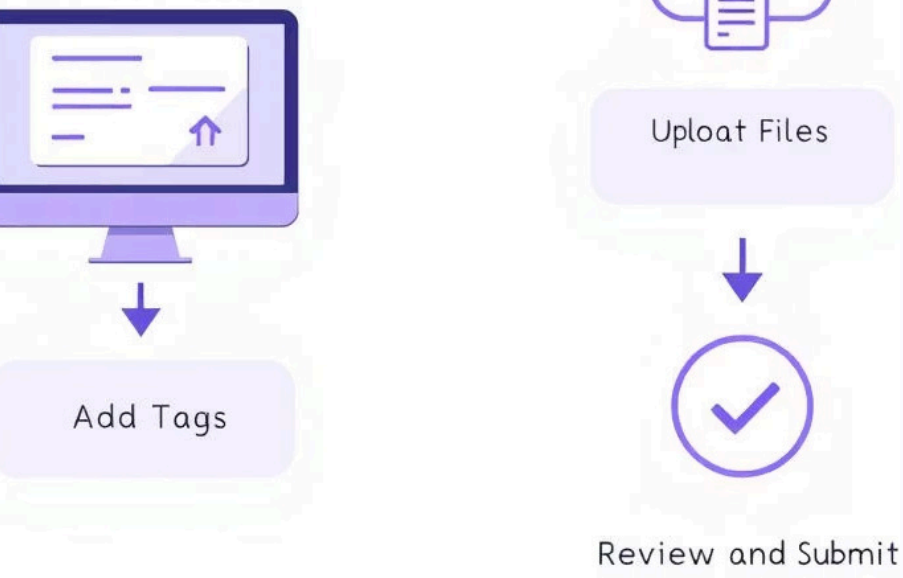
Ui training mangemet



UI Flow

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Step 1

Enter training offer details

2

Step 2

Upload related files with preview

3

Step 3

Add dynamic tags

4

Step 4

Review and submit offer

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Challenges Faced & Solutions

State management in multi-step forms

Used React context API for consistency

File preview support for multiple types

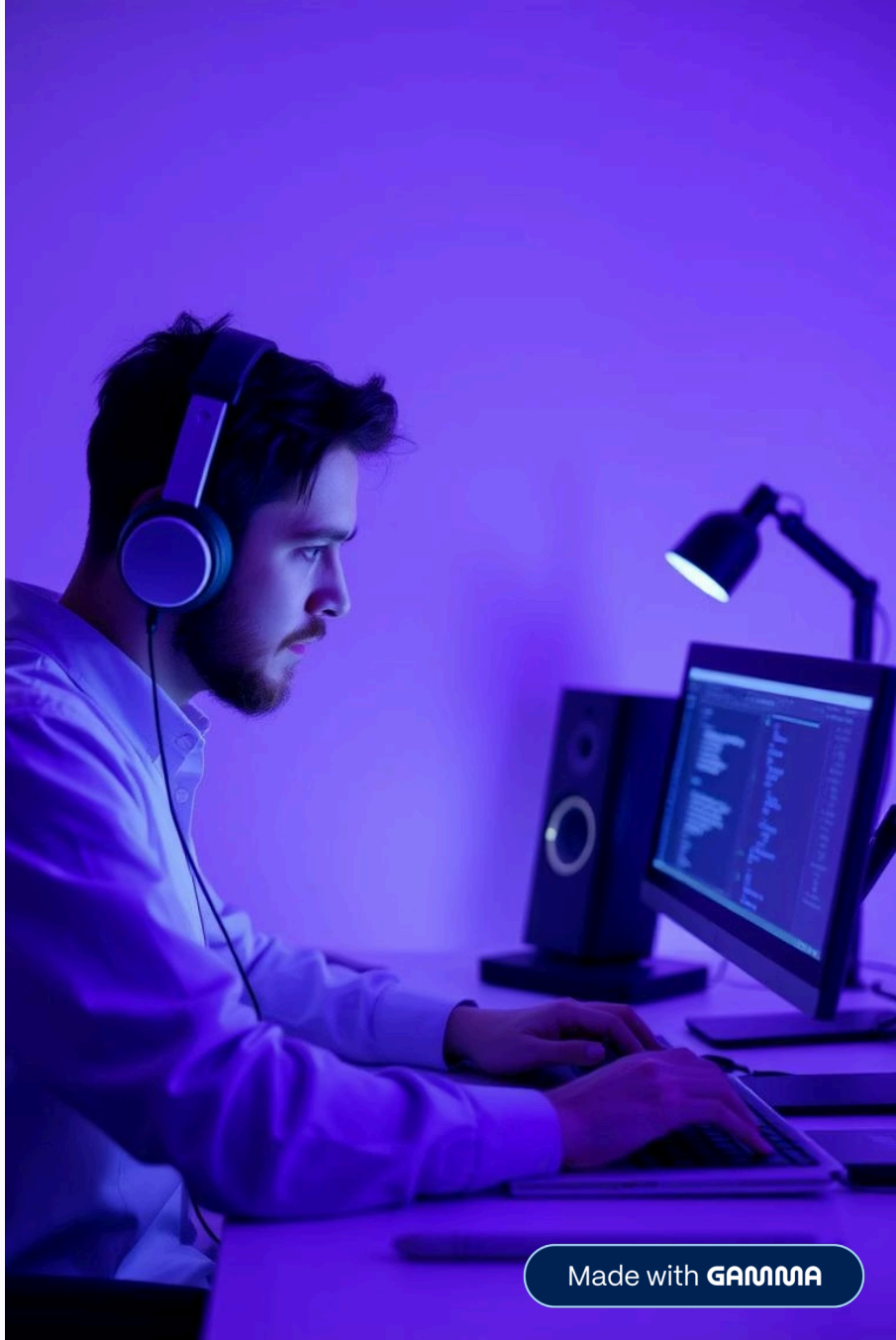
Implemented client-side rendering techniques

Secure authentication integration

JWT tokens with refresh strategy

Database schema design for flexible tagging

Used MongoDB arrays with index optimization



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