

Project Idea: Smart Project Collaborator Platform

This project is a full-stack MERN application (MongoDB, Express, React, Node.js) enhanced with GraphQL and AI integration.

It aims to provide a powerful and intelligent platform for teams to collaborate on projects, manage tasks, upload documents, and leverage AI to streamline workflows.

Tech Stack

- Frontend: React + Apollo Client + Tailwind CSS or Chakra UI
- Backend: Node.js + Express + Apollo GraphQL Server
- Database: MongoDB + Mongoose
- Authentication: JWT + optional OAuth (GitHub, Google)
- AI Features: OpenAI API or HuggingFace Transformers
- Deployment: Vercel (frontend), Render/Fly.io (backend), MongoDB Atlas

Core Features

- User authentication and team management
- Create and manage projects with Kanban-style task boards
- Upload and store documents (resumes, briefs, etc.)
- AI Assistant to summarize documents and suggest tasks
- GraphQL-based API for efficient data querying

Bonus Features (Stretch Goals)

- GitHub integration to sync issues and commits
- Real-time chat using Socket.io
- Email notifications and alerts
- Stripe integration for billing/subscriptions

Real-World Use Cases

- Freelancers managing client projects

- Startups coordinating product development
- Students handling group assignments
- HR teams collaborating on applicant reviews with AI support