

Projects ideas

PromptVault

One-liner: Curated and sharable prompt management tool for creators, developers, and marketers.

Problem Solved: Prompt engineering is valuable, but people lose their best prompts in notes/apps.

Tech Scope:

- MERN stack
 - AI Tagging using Gemini
 - Community + Personal vault separation
 - Export-ready format (JSON, Notion, PDF)
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DevTrail

One-liner: Career journaling app where devs log learning progress, wins, and roadblocks — public or private.

Problem Solved: Helps devs build a habit of logging growth and reflecting — like a career diary meets portfolio.

Tech Scope:

- MERN stack
 - Markdown support
 - Optional public showcase pages
 - GitHub auth
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Learnly

Personalized learning tracker that generates micro-goals and weekly review reports.

Problem Solved: Learners struggle to track progress and stay on course — this adds intelligence and motivation.

Tech Scope:

- MERN stack
 - Gemini to summarize progress
 - Custom dashboard + Google Calendar sync
 - Badge system for gamified learning
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LegalLens AI

One-liner Pitch: An AI-assisted platform for simplifying legal document analysis, offering summarized insights and identifying key clauses for non-legal professionals.

Problem it Solves / Value it Provides: Demystifies complex legal jargon, making legal documents more accessible and understandable for individuals and small businesses who may not have immediate access to legal counsel.

Tech Scope: MERN stack, Gemini AI (for natural language processing, summarization, and key phrase extraction), potentially open-source legal datasets (if available and feasible to integrate).

StudySphere AI

One-liner Pitch: An intelligent study companion that generates personalized learning paths, practice questions, and summarizes complex topics based on user-provided course materials.

Problem it Solves / Value it Provides: Enhances learning efficiency by tailoring study experiences to individual needs, making complex subjects more digestible and test preparation more effective.

Tech Scope: MERN stack, Gemini AI (for content summarization, question generation, adaptive learning paths), user file upload (e.g., PDFs, text), progress tracking.

CodeCollab

One-liner Pitch: A real-time collaborative coding platform for remote pair programming with AI-driven code reviews.

Problem it Solves / Value it Provides: Remote teams and students often struggle with seamless pair programming and code feedback. CodeCollab enables real-time coding sessions with integrated chat, video, and AI-powered code suggestions, improving collaboration and code quality.

Tech Scope:

- MERN stack for core platform (MongoDB for session data, Express/Node for backend, React for frontend).
- Free WebRTC API (e.g., PeerJS) for real-time video/audio.
- Gemini AI for code review suggestions and error detection.
- Monaco Editor for collaborative code editing.

InternRadar

One-liner: Discover niche internships and projects based on skills, interests & GitHub activity.

Problem Solved: Finding early-career opportunities is chaotic — this makes it smart & filtered.

Tech Scope:

- MERN stack
- GitHub API for profile scan
- Free scraped internship data (or Airtable)
- AI recommendation engine

CaseStudy Central

One-liner: Browse, write, and share in-depth product/UX case studies with feedback loops.

Problem Solved: UX/UI/PM students need case study portfolios. This gives structure and community review.

Tech Scope:

- MERN stack
 - Gemini for writing suggestions
 - Markdown editor + Figma embeds
 - Peer feedback system
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HabiTrackr

One-liner: Social habit tracker with accountability partners, goal-streaks, and leaderboard.

Problem Solved: People abandon habits quickly — adding social pressure + fun helps retention.

Tech Scope:

- MERN stack
 - Streak counter logic
 - Peer accountability system
 - Notifications via EmailJS (free)
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ClubSphere

One-liner: Create and manage online/offline clubs with events, discussions, and role-based access.

Problem Solved: Students or community leaders struggle to organize digital-first clubs.

Tech Scope:

- MERN stack
- Google Calendar API
- Discord-like thread structure

- Role-based access control
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SideHustle Vault

One-liner: Curated dashboard of real side hustle ideas with tools, budget estimates, and skill breakdowns.

Problem Solved: Many want extra income but don't know what to do — this helps them explore legit ideas.

Tech Scope:

- MERN stack
 - Airtable or Notion integration for backend DB (optional)
 - AI for ranking based on user profile
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Booklet.AI

One-liner: Convert any blog/article into a visual micro-book summary in carousel format.

Problem Solved: Long-form content is hard to retain — makes it digestible and shareable.

Tech Scope:

- MERN stack
 - Gemini summarization
 - Free article scraping (via Puppeteer)
 - Instagram export-ready formats
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LocalPulse

One-liner: Real-time local news aggregator + discussion platform for hyperlocal communities.

Problem Solved: Local content is fragmented or buried — this brings it to one place.

Tech Scope:

- MERN stack
 - Free news API (e.g. NewsData.io)
 - Geolocation via browser
 - Community voting & reporting system
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FoodSentry

One-liner Pitch: A pantry tracker that suggests recipes based on expiring ingredients.

Problem it Solves / Value it Provides: Food waste is a global issue due to poor inventory management. FoodSentry tracks pantry items and suggests recipes to use them before expiry.

Tech Scope:

- MERN stack for pantry database and UI.
 - Spoonacular API (free tier) for recipe suggestions.
 - Gemini AI for generating custom recipes.
 - React Toastify for expiry alerts.
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StudySync

One-liner Pitch: A virtual study group platform with shared notes and AI-moderated discussions.

Problem it Solves / Value it Provides: Remote students struggle to collaborate effectively. StudySync offers real-time note-sharing and AI-guided study sessions.

Tech Scope:

- MERN stack for group management and notes.
- WebSocket (e.g., Socket.IO) for real-time collaboration.
- Gemini AI for discussion moderation and study tips.
- Quill.js for collaborative text editing.

JobScribe

One-liner Pitch: A job application tracker with AI-tailored resume suggestions for specific roles.

Problem it Solves / Value it Provides: Job seekers struggle to organize applications and tailor resumes. JobScribe tracks applications and optimizes resumes for job descriptions.

Tech Scope:

- MERN stack for application tracking and resume storage.
 - GitHub Jobs API (free) or similar for job listings.
 - Gemini AI for resume optimization and keyword matching.
 - React PDF for resume generation.
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CivicVoice

One-liner Pitch: A platform for crowdsourcing community issues and proposing solutions with AI-driven prioritization.

Problem it Solves / Value it Provides: Local governments often overlook community concerns. CivicVoice lets residents submit issues, vote on priorities, and track progress.

Tech Scope:

- MERN stack for issue tracking and voting.
 - OpenStreetMap API (free) for location-based issue mapping.
 - Gemini AI for issue prioritization and solution suggestions.
 - React Leaflet for interactive maps.
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Recipe Remix AI

One-liner Pitch: An AI-powered recipe generator that creates new recipes based on ingredients users have on hand, dietary restrictions, and desired cuisine type.

Problem it Solves / Value it Provides: Reduces food waste and inspires culinary creativity by helping users make delicious meals with existing ingredients, catering to specific dietary requirements.

Tech Scope: MERN stack, Gemini AI (for recipe generation and ingredient substitution), open-source food/ingredient databases.

Digital Detox Assistant

One-liner Pitch: A web-based application that helps users manage screen time, block distracting websites, and track their digital habits to promote healthier online behavior.

Problem it Solves / Value it Provides: Empowers users to regain control over their digital consumption, improving focus, productivity, and overall well-being by reducing digital distractions.

Tech Scope: MERN stack, browser extensions (conceptually integrated, students would build the backend logic and frontend UI), data visualization for usage patterns.
