Alkush Pipania

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github.com/alkushpipania | alkush.xyz

EDUCATION

Bachelor of Technology in Computer Science and Engineering November 2022 - August
Raj Kumar Goel Institute of Technology, Ghaziabad | CGPA: 7.1/10 2026

WORK EXPERIENCE

Frontend Developer | MAKUNAI GLOBAL TECHNOLOGIES, Noida March 2025 - April 2025

- Developed and integrated new features, such as interactive dashboards, resulting in a 15% increase in user engagement.
- Centralized state management using Redux Toolkit, reducing state-related bugs by 60% and improving code maintainability by 25%.
- Led the UI revamp based on Figma designs, contributing to a 20% increase in user satisfaction.

Tech Stack and Tools: Next.js, TypeScript, TailwindCSS, Shadcn, Figma, Jira, Redux, Postman

PROJECTS

Carter | **Platform for Saving and Sharing Links** *carter.fun*

- Built a full-stack platform with AI capabilities using Next.js, Node.js, LangChain, vector DB, and Gemini, attracting over 100 active users within 3 months.
- Engineered secure authentication using NextAuth and JWT, reducing unauthorized access by 30%, and leveraged Drizzle ORM for reliable data storage.
- Developed a Chrome Extension with React.js, integrating AI to auto-select folders for link saving, increasing user productivity by 25%.

GOOG | **AI Prompt Generator** *goog-sage.vercel.app*

- Created an AI-powered tool that generates tailored prompts based on user input and past conversation context using memory and vector embeddings, improving user satisfaction by 20%.
- Implemented dual modes: "Normal" for general use and "CodeCraft" for coding-related prompts, improving context handling by 30%.
- Integrated Clerk for secure authentication and session management, ensuring 99.9% uptime and enabling persistent chat history across sessions.

Domain Generator | **AI RAG using LangChain** *github.com/ai-rag*

- Designed an AI tool that generates domain name suggestions based on business prompts and user intent, boosting conversion rates by 15%.
- Used RAG (Retrieval-Augmented Generation) with PDF-based vector search to enhance suggestion relevance by 25%.
- Built with Node.js, LangChain.js, and Gemini for efficient generation.

G1 Website Builder | **AI-Powered Website Generation** *github.com/G1*

- Engineered a website builder using Next.js, Node.js, Anthropic, and WebContainers, enabling AI-driven website generation and reducing development time by 40%.
- Organized AI-generated content into a structured folder hierarchy, improving code management efficiency by 30%.
- Used WebContainers for in-browser compilation and live previews, reducing preview time by 40%.

SKILLS

Frontend: Next.js, React.js, Redux, Zustand, Shadcn
Languages: JavaScript, TypeScript, HTML5, CSS3, C++, Python, Go
Backend: Node.js, Express, Next.js, Prisma, Drizzle

AI: LangChain.js, LangGraph, Hugging Face, Vector DB, Graph DB
Actionable Skills: WebSockets, WebRTC, Docker, Turbo-Repo