

Gokul Kiran

Full Stack AI Developer

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

Full Stack Developer proficient in developing production ready full stack applications using React, Next.js, Node.js, AWS, Vercel, OpenAI API with expertise in React optimization techniques and SEO.

SKILLS

- Front end: HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Tailwind CSS, Redux
- Back end: Node.js, Express.js, Python, Django, Flask, FastAPI, GraphQL
- Databases and API Integration: PostgreSQL, MySQL, MongoDB, RESTful API, Pinecone
- DevOps and Cloud: AWS (Amazon Web Services), Serverless Deployment, Vercel, CI/CD, Docker, Kubernetes
- AI and Machine Learning: Python, RAG Pipelines (Retrieval Augmented Generation), NLP, LangChain
- Tools and Platforms: Git, GitHub, VS Code (Visual Studio Code), Cursor, Postman, Jira

PROJECTS

AI Powered Document Intelligence Platform (RAG with GPT 4o & Pinecone) [Live Demo Website Link](#)

- Launched a full stack RAG AI knowledge base app allowing users to query uploaded PDFs/text files using Next.js, GPT 4o and Pinecone. Integrated APIs: **OpenAI API, Pinecone, Neon PostgreSQL.**
- Developed a modern, responsive UI using **Tailwind CSS and GSAP**, and deployed the solution on **Vercel**.
- Enhanced embedding accuracy and **retrieval relevance by 35%** through an optimized chunking strategy and OpenAI embedding models in Pinecone.

Ecommerce Platform for Shoes [Live Demo Website Link](#)

- Developed a scalable ecommerce platform for premium footwear with a responsive, neon themed UI using Vite, Anime.js, and Tailwind CSS. Optimized build performance with Vite
- Integrated Stripe for secure payments and Neon PostgreSQL for efficient product data management.

News Next.js App with AI Summary (GPT 4o) [Live Demo Website Link](#)

- Deployed a dynamic news platform using Next.js and GPT 4o to display real time news with AI generated summaries and keyword extraction.
- Implemented search functionality **with a 50% relevance threshold** using a **Jaccard similarity filter** to guarantee best match results and eliminate duplicates.
- Optimized rendering efficiency and SEO by utilizing `getServerSideProps`, `React.memo`.

Serverless Video Captioning App (OpenAI Whisper) [GitHub Repository Link](#)

- Built a serverless video captioning app using OpenAI Whisper API with AWS Lambda and **S3 event driven architecture** for scalable processing. Designed a responsive UI with **Next.js**
- Improved transcription **speed by 40%** through optimized, S3 triggered Lambda functions.

CERTIFICATIONS

- Full Stack Web Development Bootcamp
- Vibe Coding: AI Driven Software Development and Testing
- AWS: Deploy Web Apps on the Cloud

EDUCATION

Bachelor of Engineering in Computer Science: CGPA 8.3

Anna University: Misrimal Navajee Munoth Engineering College