

Aditya Kaithwas

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C++

Frameworks: React.js, Next.js, Node.js, Express.js, Tailwind CSS

Databases: PostgreSQL

Developer Tools: Git, GitHub, Docker, Linux, Prisma ORM, Sentry, NGINX, Cloudflare

AI/LLM: Groq API, Claude API, Vapi, RAG pipelines, Prompt Engineering

EXPERIENCE

Backend AI Engineering Intern

Jul 2026 - Nov 2026

FlyRank AI

- Designing and implementing a RESTful API service using Node.js, leveraging AI coding assistants to accelerate development cycles.
- Developing a RAG pipeline integrating LLM APIs (Claude/Groq) to enable context-aware query resolution across structured backend data sources, reducing manual data lookup for content generation workflows.
- Applying prompt engineering and model evaluation techniques from the AI Fluency curriculum to backend architecture decisions.

Web Development Intern

May 2026 - Jun 2026

Inamigos Foundation

- Identified 7 UX, security, and SEO issues, including a hidden spam-link injection, through a full website audit.
- Designed and deployed a full website using AI-assisted development, structuring clean, editable code for non-technical maintainers.

PROJECTS

MailFlow | *Node.js, JavaScript, Groq API, Gmail API* | [Live](#) — [GitHub](#)

- Built an AI-powered email automation client handling 200+ emails across multi-agent workflows, with a bidirectional per-thread AI/human toggle that reduced manual triage overhead by ~60%.
- Engineered strict session isolation, validated through 100+ manual test runs, ensuring only the assigned agent accesses their conversation thread and preventing cross-agent data leakage across concurrent sessions.
- Integrated Gmail API OAuth, routing all outbound mail through the authenticated user's Google account, processing 200+ emails sent to date across bulk sends (tested up to 100 recipients) and individual 1:1 threads.

AI-Powered LMS | *Next.js, TypeScript, Supabase, PostgreSQL* | [Live](#) — [GitHub](#)

- Launched a production SaaS LMS with AI voice tutoring via Vapi, onboarding 10+ real users within 2 weeks of deployment with end-to-end course delivery and subscription management.
- Architected RESTful API endpoints with Clerk authentication and subscription management, achieving average API response times under 800ms.
- Optimized PostgreSQL queries and implemented Sentry error tracking, reducing average page load times by 40%.

Discord AI Chatbot | *Node.js, Discord.js, LLaMA 3.3 70B* | [Live](#) — [GitHub](#)

- Engineered a multi-server Discord bot using Groq's LLaMA 3.3 70B, processing 2,000–3,000 messages daily at peak with a custom system prompt architecture for consistent character voice and personality.
- Programmed an emotion-detection layer that parses AI responses for mood markers and dynamically appends one of 7 custom server emojis per response, enhancing conversational expressiveness.
- Applied conditional prompt engineering based on runtime user identity, enabling personality switching in under 0.5ms across distinct conversation contexts.

EDUCATION

SRM Institute of Science and Technology (SRMIST)

Bachelor of Computer Applications

Sep 2024 - May 2027

CERTIFICATIONS & ACHIEVEMENTS

Claude Code 101 – [Anthropic](#)

Software Engineering Hackathon – [Infinitie Technologies](#)

X-PLAY Gamedev Hackathon – [SRMIST AARUSH](#)