

KAUSTHUBH J. RAO

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OBJECTIVE

Seeking AI/ML Developer or Full Stack Developer roles.

EDUCATION

B.E. in Artificial Intelligence and Machine Learning, NMAMIT, Nitte

2021 – 2025

Relevant Coursework: Machine Learning, Deep Learning, NLP, Data Structures, LLMs

CGPA: 9.41 / 10

SKILLS

Languages	Python, JavaScript, Go
Web Development	SvelteKit, Node.js, React, Next.js, Tailwind CSS, Firebase, PostgreSQL
AI/ML Frameworks	PyTorch, LangChain, LangGraph, Gradio, ONNX backend
Tools	Git, GitHub, Docker
Soft Skills	Leadership, Communication

WORK EXPERIENCE

AI Development Intern, Edgeverve Systems, Bangalore

Feb 2025 – Jul 2025

- Designed and implemented AI pipelines to automate common UI workflows in React and React Native application development, reducing manual coding time by **40%**.
- Integrated backend APIs with the AI pipeline, enabling seamless generation of production-ready UI components and improving developer productivity across **3+ active projects**.
- Contributed to a large-scale rewrite of core product features, collaborating with **3+ cross-functional teams** to ensure scalability and maintainability.

Content Developer Intern (AI & ML), Cantilever Labs, Remote

Nov 2021 – Mar 2022

- Developed and published AI/ML learning modules and quizzes that engaged **1,000+ learners** across online platforms, improving course completion rates by **20%**.
- Researched and simplified **10+ complex AI/ML concepts** (e.g., neural networks, NLP pipelines) into beginner-friendly explanations, boosting learner satisfaction scores.

PROJECTS

X-Cortex: Automated Interaction Engine Developed an LLM-powered engine using LangChain and PyTorch, enabling agent access to WhatsApp via a custom Playwright-based automation tool;.

LLM Optimization and Research Designed a custom Genetic Algorithm-based weight-pruning method, reducing LLM model size by **up to 10%** and lowering inference cost with minimal accuracy loss. [More Info](#)

Incridea Website Built responsive front-end components for NMAMIT's annual tech fest website using React and Next.js, improving load speed by **25%** and supporting **5,000+ event visitors**. ([Try it here](#))

LEADERSHIP & EXTRACURRICULAR

- Joint Technical Lead, TASC, NMAMIT (2023–2024)** Led 5+ tech events including Smart Nitte Hackathon (500+ participants); raised INR 50,000 in sponsorships.
- 1st Place (logistics domain), Hackfest Hackathon, FLC (EGDK India), 2024**
- Runner-Up, HackIoFuture Hackathon, SJEC, 2024**
- Rakuten Conference, 2024** Invited by Rakuten to present X-Cortex to 1,000+ attendees.