

# KAUSTHUBH J RAO

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## OBJECTIVE

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Software Engineer (Fresher), seeking full-time Software Developer, Web Developer roles.

## EDUCATION

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<b>Bachelor of Artificial Intelligence and Machine Learning</b> , NMAMIT Nitte, Karkala	Expected 2025
<b>Computer Science</b> , Canara Pre University College, Mangalore	2019 - 2020
<b>Schooling</b> , BGS High School, Kavoor, Mangalore	2013 - 2018

## SKILLS

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<b>CGPA</b>	9.34
<b>Technical Skills</b>	Programming, Git & GitHub, Typing.
<b>Soft Skills</b>	Leadership, Communication
<b>Languages</b>	Python, Javascript, C.
<b>Web Development</b>	SvelteKit, NodeJS, Tailwind, React, NextJS, Firebase, Vercel, Postgres.
<b>AI</b>	Design, Pytorch, Langchain / Langgraph, Gradio

## EXPERIENCE

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- **Intern at Amintelli Software:** Building software to digitise various processes of MUDA, Feb 2024.
- **Intern at Cantilever Labs:** Content Developer in the field of AI & ML

## PROJECTS

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**X-Cortex** An engine designed to automate digital interactions through LLMs. It runs locally and fine-tunes models to mimic your style, enabling digital conversations on your behalf. Developed a custom WhatsApp Web automation library using Playwright for this purpose.

**LLM Optimization and Research** As part of a major project, explored various techniques and custom ideas for optimizing and distributing LLMs. Utilized Genetic Algorithms for pruning weights.

**TASC Website** Developed the official website for the branch representative organization, TASC. Built using the meta-framework SvelteKit, Tailwind CSS. Firebase was used as the database for everything. ([Try it here](#))

**Incridea Website** Contributed to the website for NMAMIT's tech fest, "Incridea." Focused primarily on front-end development using React and Next.js. ([Try it here](#))

## EXTRA-CURRICULAR ACTIVITIES

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- Invited by Rakuten to set up technical booth at Rakuten Conference 2024 in order to present our X-cortex idea to 1000s of people (**2024**).
- First Place in the "Hackfest" hackathon organized by FLC, Sponsored by EGDK India in the logistics domain (**2024**).
- Runner-up in the "HackToFuture" hackathon at SJEC, sponsored by EGDK India (**2024**).
- Engaged in the Google Developer's Fest hosted by Niveus Solutions in Mangalore (**2023**).

## LEADERSHIP

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- Served as Joint Technical Lead for the department's student committee, TASC. Organized various events including "Ace the Campus," "E-Sports Mayhem," and "Git-GitHub Workshop." (**2023-2024**)
- Lead the organization of a 24-hour Hackathon named "Smart Nitte Hackathon," marking the first time such an event was held in six years. Was a core under the technical committee .(**2023**)