Caleb Chandrasekar

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Education

Indian Institute of Technology, Ropar, Minor in AI   August 2024 – July 2025
- **Coursework:** Artificial Intelligence, Comparison of Learning Algorithms, Machine Learning

K. R. Mangalam University, B.Tech. in Computer Science and Engineering   August 2023 – July 2027
(Specialization in AI/ML)
- **Coursework:** Operating Systems, Comparison of Learning Algorithms, Basic Machine Learning Concepts

Experience

Technical Intern (AI), Xebia – Gurugram, Haryana, India   Nov 2023 – Jan 2024
- Developed and maintained Legal Task/Ticket Management System using a RAG-based chatbot called Xenius.
- Was introduced to SCRUM framework, and also aided other fellow interns in Next.js and Hono + Bun backend technologies.
- Also worked in a project in Banglore office for creating struct-agent: creates graph using structered data by NLP.

ML Engineer Intern, Acmegrade – New Delhi, India   Nov 2023 – Jan 2024
- Developed and maintained artificial intelligence models for applications using Python.
- Collaborated with cross-functional teams in an agile environment to design and implement new models such as music recommendation and stock price prediction.
- Improved code quality through peer code reviews and automated testing procedures.

Coordinator, Geek Room – K. R. Mangalam University   April 2024 – Present
- Led tech initiatives and workshops under the college tech community.
- Organized hackathons, coding contests, and student-led projects.
- Mentored freshers and encouraged open-source contributions.

Projects

Personal Portfolio Website   ⓞ
- Developed a responsive portfolio MERN website to showcase projects, skills, and achievements.
- Tools Used: React, Next.js, CSS, MongoDB

Sahayak   ⓞ
- Offline Mental Well-Being Companion: Sahayak delivers bite-sized coping exercises whenever you feel stressed or anxious via a local-first chatbot that runs entirely on your machine (no cloud calls) for complete privacy.
- Tools Used: Python, Streamlit, Ollama, Langchain, Git, Github, Mistral(Model)

Stock-Price Prediction And Music Recommendation   ⓞ
- Developed two interactive Python-based applications, predicting stock prices through time series regression, and the other delivering personalized music suggestions via content-based filtering.
- Tools Used: Python, Jupyter Notebook

Technologies

Languages: C++, Python, JavaScript, PHP, SQL, TypeScript, Java

Technologies: React, Next.js, Bun, Hono, Git, Docker, FastAPI, Langchain, Ollama, HuggingFace, Azure, OpenAI, GA4(Analytics)

Achievements

- Was part of one of biggest hackthon hosted by Geek Suite, called PEARS Hack as an organizer
- Featured as a campus community leader by KRMU's official social media handles.
- Became a certified Google's Analytics Tool Expert by completing GA4 certification.