


RAMACHANDRA UDUPA

SOFTWARE DEVELOPER

CONTACT

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-  [Portfolio](#)
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Technical Skills

- Programming: C++, Python, Java, JS
- Web Development: Django, Next.js, Python Full Stack
- AI and Machine Learning: Pytorch, Neural Networks, LangChain&LangGraph, LLaMaIndex
- Cloud Platforms: Google Cloud Platform, Microsoft Azure
- Cybersecurity: Ethical Hacking, Malware Development
- Tools: Git, Pygame

EDUCATION

Bachelor of Engineering in Artificial Intelligence and Data Science

Shri Madhwa Vadiraja Institute of Technology & Management, Karnataka, India
2021 - 2025 | CGPA: 8.71
Core Coursework: Machine Learning, Software Development

Hobbies

- Gardening
- Creating digital and traditional art.
- Learning new programming languages and agentic workflows.

LANGUAGES

English

Kannada

Hindi

PROFESSIONAL SUMMARY:

Data Science student with a focus on Artificial Intelligence. Interested in software development, machine learning, and web technologies. Strong problem-solving skills and a collaborative mindset. Seeking opportunities to contribute to practical and meaningful projects.

WORK EXPERIENCE

Intern

IonIdea

February 2025 - May 2025

- Built an FAQ retrieval system using LangChain and a local on-premise language model to answer company document-related queries efficiently.
- Designed and improved a job scheduling agent to streamline interview coordination for 1,000+ recruiters using agentic workflows.
- Worked alongside domain experts to deepen understanding of practical AI deployment, system design, and team-based development.

Intern

SangamOne Connected Services Private Limited

November 2023 - April 2024

- Enhanced Java and Python proficiency through hands-on project development.
- Collaborated on real-world problem-solving initiatives, refining coding skills.
- Delivered successful projects showcased on a personal portfolio website.

Projects

- College App** – Built a Java-based android application to manage student records, course enrollment, and academic data.
- Autonomous Browser Controller with LLM** - Made a browser agent using a local LLM. Automated tasks and controlled the browser for specific workflows.
- Voice to Visualization** – Python and LangChain tool that connects to any relational database, enabling voice queries and generating dynamic visualizations.
- Agentic Chess Game** – Developed a workflow-based AI agent to plan and play chess autonomously without any pretraining.

Achievements

- Recipient of Second Runner-Up in the IEEE Eureka Competition
- Awarded first place in multiple small-scale technology competitions
- Elected as Technical Coordinator with the highest votes in the college elections.
- Presented paper "Knee Osteoarthritis Detection using CNN" at CISC-2024.