ARAVIND M

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in linkedin.com/in/aravindm4567 ⭘ github.com/ARAVINDM12 🌐 portfolio-am12.vercel.app

Python | C++ | Java | SQL | Excel | GitHub | HTML | CSS | JavaScript | React | Tailwind CSS | Tkinter | Kivy | Pandas | NumPy | Matplotlib | Tensorflow | Scikit-learn | Keras | Ragflow | Langchain | FAISS | LLM | Streamlit

EDUCATION

Bachelor of Technology (CSE): Vellore Institute of Technology, Vellore [2022 - 2026] — CGPA: 8.77
Senior Secondary (CBSE 12TH): Saraswathi Vidyanikethan (Kochi) [2020-2022] — Percentage: 94.8%
Secondary (CBSE 10TH): Veda Vyasa Vidyalayam (Kozhikode) [2016-2020] — Percentage: 97.2%

EXPERIENCE

AI Research Intern — May 2025 – Jun 2025
Aufait Technologies Pvt Ltd (Kozhikode) — Kozhikode, Kerala

- Researched the architecture and documented the features and working of RAGFlow, gained in-depth knowledge of system design and contributed to 90% of the RAGFlow technical analysis.
- Structured and implemented four specialized agents—Customer Service, Web Search, Q&A, and HR—using RAGFlow as part of a Generative AI system development project.

Software Development Intern — Jun 2024 – Jul 2024
Cezen Technologies Pvt Ltd (Bangalore) — Bengaluru, Karnataka

- Designed a Python-based desktop application UI using Tkinter for the Battery Management System (BMS) at DRDO-ADE, enabling precise real-time monitoring and control of flight-critical battery parameters.
- Collaborated with a cross-functional team to execute 100+ test cases, adhering to aerospace standards.

PROJECTS

Expense Tracker: GitHub ↗, .Exe Download ↗

- Created a cross-platform expense tracker using Python (Kivy) and SQLite3, featuring full CRUD operations.
- Achieved 100% data retention and reduced manual tracking time by 60% through real-time overspending alerts, budget tracking, and automated email reports.

Lead Enrichment Tool: GitHub ↗, Live Demo ↗

- Developed an automated Python tool integrating 3+ data sources and web scraping to enrich 10,000+ leads, improving data accuracy by 40% and reducing manual research time by 60%.
- Generated AI-powered summaries and customer profiles using Google Gemini and Wikipedia API, simplifying lead qualification and outreach.

Retrieval-Augmented-Generation (RAG) Chatbot: GitHub ↗, Live Demo ↗

- Built a RAG-based chatbot using Gemini API, LangChain, and Streamlit, enabling users to upload documents and receive context-aware AI responses. Integrated FAISS for efficient vector-based information retrieval, handling 100+ daily test queries.
- Experimented with Ollama's Qwen-0.5B model to benchmark LLM performance and optimize response quality.

Portfolio Website: GitHub ↗, Live Demo ↗

- Designed a modern personal portfolio using React, Tailwind CSS, and shadcn/ui, showcasing 4+ projects, technical skills, and contact information, deployed on Vercel.

CERTIFICATIONS

- Machine Learning A-Z: AI, Python & R + ChatGPT Prize [2025] — Udemy