

ANVAYA ARSHA

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Education

Vellore Institute of Technology

B.Tech in Computer Science & Engineering (Specialization in Health Informatics)

2022 – 2026

CGPA: 7.7 / 10

Technical Skills

AI/ML & Data Science: Generative AI, Retrieval-Augmented Generation (RAG), Natural Language Processing (NLP), Supervised Learning, Feature Engineering, Data Analysis, Scikit-learn, Pandas, NumPy

LLMs & AI Tools: LangChain, LangGraph, LLM APIs, FAISS, Cohere Rerank, LLaMA 3.1, Prompt Engineering

Agentic AI & Automation: LangGraph, n8n, Make.ai, AI Workflow Automation, Agent Orchestration

Web & Tools: Python, SQL, Excel, React.js, Node.js, Fast APIs, Streamlit, Git, Postman, Docker, MongoDB, Supabase

Professional Experience

Novalantis

AI Intern

Apr 2026 – Current

Remote

- Developed an in-house autonomous Lead Generation System leveraging Generative AI, LLMs, RAG, AI agents, prompt engineering, workflow automation, CRM integrations, lead scoring, and intelligent outreach to automate enterprise sales pipelines.
- Currently developing an AI-powered healthcare platform in partnership with the Government of Jharkhand, applying Generative AI, LLMs, RAG, NLP, machine learning, AI workflow automation, and data analytics to build scalable digital healthcare solutions.
- Delivered production-ready AI applications by integrating enterprise workflows, automation pipelines, and scalable system architectures.

LabelNest India Private Limited

Web & Automation Analyst Intern

Nov 2025 – Feb 2026

Bangalore, KA

- Designed and developed the company's official website, focusing on responsive UI, performance optimization, and user experience.
- Contributed to the development of the HRMS platform by supporting workflow automation, development, and product implementation.
- Conducted data collection, validation, analysis, and reporting to derive business insights and support data-driven product decisions.

MIXLabs Creative Pvt. Ltd.

UI/UX Full Stack Intern

Jan 2024 – Jul 2024

Pune, MH

- Contributed to UX design and digital product development for web platforms, ensuring smooth design-to-development handoff.
- Built and iterated on frontend components in collaboration with developers, reducing design-code inconsistencies in production.

AI & Machine Learning Projects

BabyBloom AI — RAG-Based Neonatal Health Assistant

2025

LangChain, FAISS, Groq (LLaMA 3.1), Cohere Rerank, Sentence-Transformers, Streamlit

- Built a production-grade RAG pipeline over pediatric medical textbooks using FAISS vector search and all-MiniLM-L6-v2 embeddings, enabling grounded Q&A with minimal hallucinations.
- Implemented two-stage retrieve-then-rerank: FAISS retrieves top-15 chunks, Cohere rerank-english-v3.0 refines to top-k, significantly improving contextual precision of LLM responses.
- Designed LLM-based intent classifier and create_history_aware_retriever to handle multi-turn follow-up queries with coherence.

Dwello AI — Real Estate AI Agent

2026

n8n, LLM APIs, ML APIs, Workflow Automation

- Developed an AI-powered real estate assistant automating discovery and analysis across 500+ listings via n8n agentic pipelines, reducing manual research time by ~60%.
- Engineered a Bangalore house price prediction ML model connected to an n8n LLM chatbot, enabling natural language property valuation and reasoning; performed web-based data extraction, cleaning, validation, and analysis on structured and unstructured data.

Automated Blog Generation System (Multi-Agent Framework)

2026

LangGraph, Python, LLM Agents, Multi-Agent Orchestration

- Built a fully agentic system using LangGraph to orchestrate specialized agents (planner, researcher, writer) with stateful graph-based coordination for automated long-form content generation.
- Designed structured LLM pipelines with state management enabling automated, coherent blog article generation end-to-end with minimal human intervention.

Leadership & Achievements

- Summer of Bitcoin 2025/2026** – Advanced to the Proposal Round for research, problem-solving, and open-source contributions.
- Head of Design, VITronix Club** – Directed UI/UX initiatives, led a team of 6 designers, and delivered event-focused digital assets.
- Core Member, Sports Club** – Organized 5+ tournaments with 200+ participants, managing end-to-end logistics and coordination.

Certifications

Gen AI Career Essentials (IBM, 2025)

Gen AI Specialist (AdroIT Technologies, Nov 2025)

Applied Machine Learning (University of Michigan, Coursera, 2024)

Full Stack Developer (MERN) (SmartBridge & MongoDB, 2025)