




Anuj A

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TECHNICAL SKILLS

Languages : Python, Java, JavaScript, C/C++, HTML/CSS
Database : MySQL, PostgreSQL, pgAdmin (Database Management)
ML/NLP Libraries : scikit-learn, TensorFlow, Keras, NumPy, pandas, Matplotlib
Backend Frameworks: Flask, Django, FastAPI
Frontend Frameworks: React JS, Vue.js, Flutter
LLM/GenAI Tools: Langchain, llamaIndex, groq LLM, Hugging Face, LangGraph
Vector Databases: FAISS, ChromaDB
Version Control : Git, GitHub
DevOps : GitHub Actions (CI/CD)
Operating Systems : Linux (Ubuntu), Windows

EXPERIENCE

Cloudtel Solutions

Jun 2024 – Present

Software Development Intern

Tamil Nadu, India

- Designed and built 6+ full-stack web and mobile applications using **Flask, FastAPI, Django, ReactJS, Vue.js**, and **Flutter**, focusing on modular architecture, responsive design, and maintainability.
- Developed and integrated 2+ AI-powered tools utilizing **LangChain, LangGraph**, and large language models to enable dynamic task execution, context-aware interactions, and intelligent automation workflows.
- Developed and evaluated 4+ machine learning models including a **heart disease risk classifier, EV battery health predictor, movie review sentiment analyzer**, and an **insurance cost estimator** using Python, **scikit-learn**, and **XGBoost**, demonstrating practical applications across healthcare, automotive, NLP, and finance domains.

PROJECTS

ScrapeMate

- Built **ScrapeMate**, an AI-powered Streamlit app that answers questions from any public webpage using **RAG (LangChain + FAISS + HuggingFace)** and ultra-fast **Groq LLM**.
- Enabled **context-aware Q&A across 100+ dynamic webpages**, combining semantic chunking with Groq LLM for fast and accurate results.

ACTimize – Smart AC Cost Optimizer

- Built an **agentic AI assistant** to **predict and reduce AC electricity cost** with **92%+ accuracy** using **XGBoost**, trained on **5,000+ synthetic entries** across varying climates, room sizes, and AC types.
- Developed using **Flask + LangGraph** backend and **React (Vite)** frontend, with a modular architecture handling **50+ unique user scenarios** like tonnage, outside temp, and set point.

GrowSmart – AI Urban Farming Companion

- Built a full-stack web app using **Vue.js + Flask**, enabling **100+ users** to monitor plant health via AI-powered image recognition and **real-time soil metrics**.
- Added an AI **space-aware advisor** that recommends **what to grow and how** based on user-input space type — balcony, terrace, or backyard.

Cardio Disease Predictor

- Developed a **Logistic Regression model from scratch** using **NumPy**, achieving **~85% accuracy** using 10+ health features (BP, cholesterol, glucose, habits, etc.)
- Implemented **gradient descent, cost function & sigmoid manually**, with full pipeline: data scaling, training, and binary classification on **1,000+ patient records**.

EDUCATION

Amrita University

Aug 2027

Bachelor of Technology - Computer Science and Engineering

Current GPA: 8.63/10

Last Updated on July 31st, 2025