ANHAR ESWARAMANGALAM

AI & Data Science Engineer | Backend Engineering

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PROFESSIONAL SUMMARY

BCA graduate and AI & Data Science Engineer specializing in production-ready RAG pipelines, bilingual LLM agents, and containerized backend APIs. Experienced in pgvector, FastAPI, Docker, and supervised machine learning.

CORE TECHNICAL SKILLS

AI / ML: RAG Pipelines, Large Language Models (LLMs), Gemini, Agno, Scikit-learn, Pandas, FAISS, pgvector, Ollama
Backend & Cloud: Python, FastAPI, Docker, PostgreSQL, MySQL, SvelteKit, Streamlit, Git, RESTful APIs, Linux
Operations & Web: WordPress Management, gccbusinessnews.com Technical SEO, PHP, HTML5/CSS3, Power BI

WORK EXPERIENCE

WebCastle Technologies, Kochi -- Data Science Intern (Jan 2026 - Jun 2026)

- Engineered bilingual English/Malayalam conversational AI agent using Gemini and Agno framework.
- Architected semantic RAG search system with PostgreSQL and pgvector for low-latency context retrieval.
- Containerized modular FastAPI backend microservices with Docker and automated LLM-as-a-Judge validation.

Zoople Technologies, Kerala -- Data Science Trainee (Aug 2025 - Jan 2026)

- Executed end-to-end data science lifecycle: data cleaning, EDA, feature engineering, and predictive ML models.
- Built interactive Streamlit dashboards and implemented real-world RAG architectures with vector embeddings.

WellMade Network FZC LLC -- Technical Associate (Web & Digital Operations)

- Managed WordPress-assisted development and technical operations for gccbusinessnews.com portal.
- Optimized SEO architecture, oversaw digital media publishing workflows, and maintained portal uptime.

KEY PROJECTS

Cogneva -- Privacy-First AI Therapist Platform (Python, FastAPI, Agno, PostgreSQL, pgvector, Docker)

- Bilingual mental wellness conversational agent with long-term semantic memory and LLM-as-a-Judge scoring.

DocuMind -- Privacy-First Local PDF Intelligence (Python, Ollama, FAISS, Streamlit)

- Offline document comprehension and question-answering tool powered by local LLMs and vector embeddings.

Fake Invoice Detection -- Machine Learning Classification (Python, Scikit-learn, Pandas, Streamlit)

- Fraud detection model utilizing Random Forest classifier and interactive Streamlit inspection.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Applications (BCA) - MG University, Kerala (Completed Mar 2025)
Certifications: Data Science Internship (WebCastle), GenAI & DS Trainee (Zoople), PHP & Python (Riss)