

VISHWANATH R

AI Engineer | Data Scientist | ML Engineer

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PROFESSIONAL SUMMARY

AI Engineer and Data Scientist skilled in building LLM-powered applications using LangChain, FastAPI, and Streamlit. Experienced in developing semantic search systems with FAISS and Hugging Face Transformers, designing ML pipelines, and deploying production-grade AI applications. Strong analytical background with an M.Sc. in Data Science & Business Analytics.

PROFESSIONAL EXPERIENCE

DigiDara Technologies Pvt Ltd | Tiruchirapalli, India
AI Engineer

May 2025 – Present

- Built **TechMate AI Agent**, an AI-powered educational assistant using LangChain, Streamlit & FastAPI.
- Implemented **semantic search** with FAISS and Hugging Face Transformers.
- Designed **ML workflows** for data processing, model deployment & interactive dashboards.
- Served as **AI Engineer Intern (May–Aug 2025)** before transitioning to full-time.

PROJECTS

AI Health & Wellness Coach

- Full-stack AI health assistant built with Streamlit, LangChain, and Mistral (via Ollama).
- Tracks daily metrics: sleep, mood, steps; provides visual dashboards and personalized health tips.
- Includes voice output using gTTS and an LLM-based chatbot for wellness guidance.
- [GitHub Repository](#)

TechMate AI Agent

- AI-driven educational assistant for students and educators using Python, FastAPI, LangChain, and Streamlit.
- Features interactive study support, automated content generation, and personalized learning pathways.
- Implements semantic search and recommendation pipelines via FAISS and Transformers.
- [GitHub Repository](#)

SKILLS & TOOLS

Languages & Frameworks: Python, FastAPI, Streamlit

AI & ML: LangChain, Hugging Face Transformers, FAISS, Mistral (Ollama)

Tools & Platforms: Google Colab, Visual Studio, Git/GitHub, Docker, Jupyter, Pandas, Numpy, Power BI, Excel

Core Expertise: LLM chatbots, semantic search, ML deployment, data visualization

EDUCATION

Vels Institute of Science, Technology & Advanced Studies(VISTAS), Chennai

2024

M.Sc. Data Science & Business Analytics

Sri Krishna Arts & Science College, Bharathiar University, Coimbatore

2022

B.Sc. Mathematics

CERTIFICATION

Python, SQL & Excel | Udemy