

Haris Roy Pulinilkunnathil

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Professional Summary

Data Scientist with MSc in Data Science and hands-on experience building and deploying AI-driven solutions using Python, LLMs, and Docker. Skilled in NLP, ML, and vector search with a strong focus on rapid prototyping, collaboration, and shipping real-world AI products.

Technical Skills

Python, SQL, MongoDB, FastAPI, LangChain, Hugging Face, RAG, Transformers, Docker, AWS, Power Automate, PostgreSQL, CI/CD, BERT, BioBERT, ONNX Runtime

Experience

AI Engineer, Concepts Analytics Lab | Jun 2024 - Nov 2024

- Developed SenseEmBERT, improving sentiment analysis accuracy by 15%.
- Built RAG-based QA system using LangChain, Hugging Face & ChromaDB.
- Deployed scalable solutions with Docker and collaborated with research teams.

Freelance Data Scientist | Nov 2023 - Present

- Built AI chatbot for Instadapp using RAG and LangChain (95% accuracy).
- Fine-tuned BioBERT for medical classification with 22% accuracy gain.
- Created predictive maintenance model using FastAPI and Docker.

Education

MSc in Data Science, University of Sussex (Distinction) | 2023

Dissertation: Stock Market Forecasting using Deep Learning

BSc in Mathematics, Kannur University (First Class) | 2021

Projects & Achievements

- Stock Forecasting using LSTM/GRU hybrid model - 20% boost in accuracy.
- Propaganda Detection using BERT and GRU ensemble.
- Web automation using Power Automate Desktop.
- Regular Medium blogger on AI/ML topics; Bronze medalist in Karate.