

SAI HARSHA KONDAVEETI

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PROFILE SUMMARY:

Early-career AI / ML Engineer currently working on production-oriented LLM and ML systems. Strong hands-on experience building Retrieval-Augmented Generation (RAG) pipelines, agentic workflows, and ML automation for real-world use cases. Proficient in Python, FastAPI, Docker, MLOps, and cloud deployment. MSc Data Science (AI/ML) from the University of Roehampton. Eligible for full-time work in the UK (Graduate Route visa).

TECHNICAL SKILLS:

Category	Tools
Programming	Python, SQL, Git, FastAPI, REST APIs, GraphQL
ML Engineering	PyTorch, scikit-learn, NumPy, Pandas, Feature engineering, time-series forecasting,
GenAI / LLM	LangChain, LlamaIndex, RAG, Hugging Face Transformers, OpenAI API, Prompt Engineering, Agentic AI, Multi-agent orchestration, MCP servers
Databases & Vector Stores	Pinecone, FAISS, Qdrant, ChromaDB, NeonDB, Supabase, MongoDB, Postgres
Cloud & DevOps	AWS (Lambda, EC2, Sagemaker), GCP (Vertex AI, Cloud Run, Cloud Storage)
MLOps	MLflow, Docker, GitHub Actions
Automation	N8N, Airflow

WORK EXPERIENCE:

Employer: Datavalley Inc (Multinational EdTech & AI SaaS Company) **Tenure:** September, 2025 to Present

Designation: Junior AI/ML Engineer (Part-time)

Product: Datavalley CRM (Proprietary SaaS Platform)

Project Description:

Datavalley Inc is a global EdTech and AI product company providing training, consulting, and cloud-native platforms for data and AI teams. The Datavalley CRM is a proprietary SaaS platform used by internal and client marketing, sales and operations teams to manage the full learner and customer lifecycle. As part of the Engineering team, I contributed to designing and implementing ML and AI workflows inside the CRM to automate lead management, scoring, and campaign optimization.

Technologies: Python, FastAPI, scikit-learn, NumPy, Pandas, LangChain, N8n, REST APIs, Git, Docker, Google Cloud (Vertex AI, Cloud Run, Cloud Storage), MLflow, NeonDB, MongoDB, Datavalley CRM APIs

Key Responsibilities:

- Built AI workflows in Datavalley CRM using Python, FastAPI, LangChain and N8n to automate marketing and sales processes
- Designed 15+ automation pipelines orchestrating ~30 automation services and components
- Developed and deployed a behavioral lead scoring model that updates scores dynamically as leads move through the CRM
- Integrated scoring into CRM to surface high intent leads in real time, contributing to ~12% higher lead to opportunity conversion

- Architected agentic AI workflows with tool-use patterns, multi-step orchestration, and state management for autonomous lead qualification and campaign optimization
- Engineered LLM-powered RAG pipelines with advanced prompting strategies (CoT, ReAct)
- Integrated vector databases and tool-calling for agentic workflows
- Implemented monitoring and periodic retraining for the lead scoring model using MLflow and Vertex AI
- Worked with marketing and sales to translate business rules into features and thresholds and refine models from campaign feedback
- Exposed model predictions via REST APIs for low latency use in the Datavalley CRM UI and internal tools
- Produced documentation, example notebooks and demos to help non-technical teams use AI features for targeting and segmentation

ACADEMIC PROJECTS

Enterprise Knowledge RAG Assistant

- Hybrid retrieval (semantic + keyword) with Pinecone and grounded answer generation with citations
- Achieved 92% answer relevance, 87% factual accuracy, and sub-second query latency using review-based evaluation
- Optimized prompts using CoT, self-reflection, and structured outputs for enterprise use cases
- Tech: Python, LangChain, Pinecone, OpenAI API

Moving Object Detection using Image Recognition (Publication)

- CNN-based pipeline for real-time object detection supporting attendance capture and emotion recognition
- Reported 94% accuracy for attendance capture and 89% for emotion classification
- Tech: PyTorch, Computer Vision

EDUCATION

MSc Data Science (AI/ML) | University of Roehampton, London | Jan 2024 - September 2025

BTech Information Technology | JNTUK University, India | Aug 2019 – Jun 2023

TRAININGS & CERTIFICATIONS:

- PCEP – Certified Entry-Level Python Programmer (in progress; target 2026)
- MongoDB for Developers – MongoDB University (Course Certificate), 2026
- HackerRank - Python (Problem solving practice, 2026)
- CodeChef - Competitive coding practice (Python/DSA)

ADDITIONAL INFORMATION

- Strong communication and mentoring skills, demonstrated by training 100+ learners on Python, ML and MLOps
- Right to work: UK Graduate visa (Post-Study Work); full-time work permitted
- Location: Open to other UK locations