Akshay Dhabale

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Executive Summary

Innovative Cloud Data and AI Architect with experience in leading enterprise AI strategy, Generative AI applications, and cloud-based data modernization. Currently part of the AI Centre of Excellence at HGS Canada, where I architect and scale LLM-powered RAG platforms, AI-driven applications, and modern data platforms.

Recognized for shaping AI roadmaps, mentoring high-performance teams, and delivering secure, production-ready AI systems that align with business goals. Expertise spans Azure OpenAI, Cognitive Search, PostgreSQL (pgvector), Azure ML, LangChain, and deep learning frameworks (PyTorch, TensorFlow). Additionally, developed frameworks for rapid development and delivery of AI applications to accelerate enterprise adoption.

AI Leadership & Innovation

• Persona-Driven RAG App → Role-aware conversational AI platform for Finance, HR, Sales, Leadership; scaled with Azure OpenAI, Cognitive Search & pgvector.
• ETL Modernization → Migrated legacy data warehouses to modern cloud-based platforms (Azure Synapse, Data Lake, Databricks) with AI-driven validation.
• Content Optimizer → GenAI-powered content enrichment and summarization engine for enterprise knowledge reuse.
• Sales Demo Hub → AI-enabled showcase platform accelerating client demos and leadership engagements.
• Framework Development → Built modular frameworks enabling rapid development, testing, and delivery of AI applications across business domains.

Core Expertise

• GenAI & LLMs: RAG Pipelines, LLM Fine-Tuning, Prompt Engineering, Responsible AI
• ML Ops & Cloud: Azure ML, Azure DevOps CI/CD, Model Lifecycle, Monitoring & Retraining
• Data Engineering & Modernization: Azure Synapse, Data Factory, Databricks, Microsoft Fabric
• Leadership & Strategy: AI CoE, Technical Roadmaps, Cross-functional Team Leadership
• Analytics & BI: Power BI (Certified), Power Apps, SAP BI

Education & Certifications

• Master's in Applied Computer Science — Concordia University, Montreal
• Bachelor of Engineering (Computer Technology) — YCCE, Nagpur
• Certifications: Azure AI Engineer Associate | Fabric Analytics Engineer | Databricks Spark Developer