Dhairya Chandra

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Senior AI Engineer with 5+ years designing production-grade ML systems and autonomous agent infrastructure. Specializes in multi-agent orchestration (LangGraph, A2A, MCP), LLM post-training pipelines, RAG systems, vector search, and large-scale distributed ML platforms on AWS

Skills

Languages: Python, TypeScript, JavaScript, C#, SQL

AI & Agents: LangGraph, LangChain, Multi-Agent Orchestration, A2A/MCP, RAG, Tool Calling, Agent Memory, Guardrails, Evaluation Frameworks, LLM Post-Training, NLP

ML: PyTorch, TensorFlow, Hugging Face, Model Serving, Vector Databases, Embedding Search

Platform: AWS, Microservices, REST APIs, Distributed Systems, ETL Pipelines, Docker, CI/CD

Experience

AI Engineer, *MFour Data Research* 03/2026 – Present | Kansas City, MO

- **Architected multi-agent orchestration layer** defining A2A communication protocols, reasoning loop patterns, MCP tool-calling interfaces, and evaluation standards adopted across all internal data pipelines.
- **Built LangGraph QA automation agent** with structured reasoning, tool-calling, and guardrails, eliminating 80% of manual QA effort and establishing the agentic QA standard for the platform.
- Designing real-time multi-agent decision-making infrastructure on AWS with **agent memory systems** and MCP integration standards across all pipelines.
- Developed autonomous data scrubber agent using **LLM-integrated pipelines** to detect and resolve data quality issues, accelerating time-to-clean for downstream analytics.

Senior Software Engineer, *Capsol* 08/2024 – 03/2026 | Olathe, KS

- Designed **A2A-style** communication patterns enabling ML components, ingestion services, and **IoT device agents** to share context and hand off tasks reliably across distributed services.
- Implemented MCP-style standardized tool and data-access interfaces, ensuring consistent agent-to-service integration, built autonomous IoT safety workflows with telemetry validation and anomaly detection.

Data Scientist, *Metronet* 08/2021 – 04/2024 | Overland Park, KS

- Built NLP classification service reducing unnecessary truck dispatches by 45%.
- Developed churn and CSAT prediction models reducing customer complaints by 24%; deployed ML models directly into production workflows saving 200+ operational hours annually.

Projects

TaskWeave - Lightweight Agent Orchestration Layer, *Python, Node.js*
Built a modular orchestration layer enabling multiple components to collaborate through structured reasoning steps. Implemented capability schemas, context passing, and validation logic

Health GPT (AI Health Assistant), *iOS Application, Swift, GPT*
LLM-powered iOS health assistant delivering personalized activity insights; scaled to **5,000+ users** with optimized API and on-device performance.

Education

MS, Computer Science, *University of Missouri-Kansas City* 05/2021

BS, Computer Science, *Graphic Era University* 06/2019