

FutureGyaan × DataMarcos · Flagship Certification 2026

2-MONTH CERTIFICATION PROGRAM

Applied Agentic *AI* Certification

Go beyond using ChatGPT, Claude, or Copilot. Learn how agentic AI systems are actually designed and built — agent architecture, tool calling, APIs, agentic workflows, and the frameworks powering production AI today.

8-Week Practical Program

n8n · LangChain · LangGraph · MCP

Live Capstone Project

Mentor-led by Deepesh Mishra

25,000+

PROFESSIONALS
TRAINED

200+

ORGANIZATIONS

18+

YEARS
EXPERIENCE

10+

COUNTRIES



DEEPESH MISHRA

The gap between "using AI" and "building with AI" is closing fast

Just a short while ago, OpenAI announced a new model, GPT-6 Astra.

And this is what most professionals are missing: until now, even some of the strongest AI models were scoring around **30% on ARC-AGI-3** — a benchmark that tests how well AI can solve completely new problems. With Astra, early reports suggest scores close to **99.9%**.

We're getting closer to that Jarvis-like world where AI doesn't just answer questions — it can reason, use tools, work with software, and actually take action. This is exactly why the conversation around AGI (Artificial General Intelligence) is heating up. In simple words: AI that can handle a wide range of intellectual tasks beyond the human level.

One question comes to mind — have we reached AGI? **No**. One benchmark doesn't prove that. But the direction is crystal clear.

Six months from now, many professionals may look back at September 2026 and think, "I should have started learning this technology then." And you don't need to wait for AGI to prepare. The practical shift is already here: **Agentic AI**.

99.9%

Early reported ARC-AGI-3 score for GPT-6 Astra, up from ~30% on prior leading models

8 wks

From LLM foundations to a fully integrated, portfolio-ready multi-agent capstone

0

Prior AI experience required — beginner-friendly refreshers built into every module

KNOW YOUR MENTOR

Deepesh Mishra

Founder, DataMarcos · Solution Architect · Corporate Trainer



"Hey, I am Deepesh Mishra. I am a Solution Architect and Corporate Trainer with over 18 years of industry experience. I have trained more than 25,000 professionals across 200+ organisations, including professionals and teams associated with Deloitte, EY, Adobe, HSBC, Boeing, and Reliance.

In my 2-month Applied Agentic AI Certification, we go beyond simply using ChatGPT, Claude, or Copilot. We focus on how Agentic AI systems are designed and built — with practical work around agent architecture, tool calling, APIs, agentic workflows, and relevant frameworks such as n8n, LangChain, LangGraph, MCP, and automation platforms where appropriate."

25,000+ PROFESSIONALS TRAINED	200+ ORGANIZATIONS	18+ YEARS EXPERIENCE	1,000+ SESSIONS DELIVERED
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ORGANIZATIONS WHOSE TEAMS DEEPESH HAS TRAINED

Deloitte	EY	Adobe	HSBC	Boeing	Reliance	PwC	Bank of America
Yahoo Singapore	Novartis	Sigmoid	ZS Associates	and 200+ more			

"His deep understanding of the subject, combined with a clear and engaging teaching style, made complex concepts easy to grasp — even for those new to the field. What stood out most was his ability to connect real-world applications with theoretical concepts."

Kumar Gaurav — Senior Azure Data Engineer @ PwC, Ex-EY, Ex-Genpact

PROGRAM HIGHLIGHTS

Build systems that reason, plan, and take action

Progress from foundational LLM concepts to deploying real, industry-grade AI agents in just eight weeks. You'll design and build a multi-SDK LLM playground, production RAG pipelines, tool-using agents, multi-agent systems, and a fully integrated capstone application.

8-Week PROGRAM	1:1 MENTORSHIP	Live PROJECTS	Career SUPPORT
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Who is this course for

- ✓ Automation QA / Test Automation professionals
- ✓ Software engineers & developers — backend, frontend, full stack
- ✓ Technical product managers
- ✓ Professionals exploring AI-powered development workflows
- ✓ Early-career professionals building practical AI skills

Prerequisites & eligibility

- ✓ You don't need to be an AI expert or come from a technical background
- ✓ Open to learning basic Python programming
- ✓ Comfortable exploring new tools and hands-on exercises
- ✓ No prior AI experience required — beginner-friendly refreshers provided

From LLM foundations to reliable, structured AI systems

01

FOUNDATIONS

LLM Foundations & System Thinking

How LLMs actually work: transformer intuition, attention, tokenization & embeddings, context window limits, hallucination causes, and prompt vs. retrieval vs. fine-tuning. Hands-on with the OpenAI, Gemini & Claude SDKs.

Transformers & Attention

Tokens & Embeddings

Multi-SDK Basics

Project — Multi-SDK LLM Playground: query OpenAI, Gemini & Claude side by side

02

PROMPTING

Prompt Engineering & Structured Output

Zero-shot, few-shot, chain-of-thought & tree-of-thought prompting, role/persona design, structured JSON output, function calling, and defending against prompt injection.

Advanced Prompting

Function Calling

Prompt Injection Defense

Project — Call Center Transcript Sentiment & Intent Classifier with an evaluation harness

03

RETRIEVAL

Production RAG Systems

Why RAG is essential for enterprise AI, end-to-end RAG architecture, embeddings, keyword vs. semantic search, vector databases, chunking strategies, retrieve-then-rerank pipelines, and evaluating with RAGAS.

Vector Databases

Chunking Strategies

RAGAS Evaluation

Project — Company Knowledge-Base Chatbot: ingest PDFs & docs with hybrid search + reranking

04

AGENTS

Building AI Agents

Core components of an AI agent — roles, memory, tools, autonomy, goals. The ReAct framework, tool orchestration, short/long-term memory systems, and connecting agents to APIs, databases and file systems safely.

ReAct Framework

Agent Memory

Tool Orchestration

Project — Researcher-and-Summarizer Agent + a Customer Care Agent using live tool calling

From single agents to production multi-agent systems

05

ORCHESTRATION

Multi-Agent Systems & Orchestration

Multi-agent architectures — sequential, parallel, hierarchical. Role-based specialist vs. generalist agents, coordinator-dispatcher patterns, and passing context/outputs across agent boundaries at production scale.

CrewAI

LangGraph

Coordinator-Dispatcher Design

Project — Financial News Research Coordinator: dispatches specialist sub-agents & produces a structured report

06

MCP

Model Context Protocol (MCP) & Enterprise Integration

What MCP is and why modern agents use it, client-server-transport architecture, registering tools/services through MCP servers, and how it simplifies connecting agents to databases, APIs and internal systems at scale.

MCP Architecture

Enterprise Tool Access

Migration from Legacy Tool-Calling

Project — MCP server connecting an agent to a live database and internal API

07

MULTIMODAL

Voice, Multimodal Agents & Automation

Multimodal capabilities across vision, audio and documents, voice agent architecture (speech-to-text → LLM → action → text-to-speech), and wiring agentic workflows into no-code automation platforms like n8n.

Voice Agents

Multimodal AI

n8n Automation

Project — Voice-enabled multimodal assistant with an automated workflow trigger

08

CAPSTONE

Evaluation, Reliability & Capstone

Evaluating agents end-to-end (task completion, tool-use accuracy, response quality), debugging agentic systems, reliability patterns (idempotency, retries, fallbacks), and shipping a fully integrated capstone.

Agent Evaluation

Reliability Patterns

Capstone Deployment

Capstone — Fully integrated multi-agent application combining RAG + Agents + Multi-Agent + MCP

EVERY TOOL YOU WILL LEARN AND USE

Technologies & frameworks you will master

Hands-on with the exact SDKs, frameworks and platforms production agentic AI teams use today — not just theory slides.

Python

OpenAI SDK

Gemini SDK

Claude SDK

tiktoken

LangChain

LangGraph

CrewAI

Google ADK

n8n

FAISS

ChromaDB

Pinecone

Weaviate

RAGAS

LangSmith

Langfuse

Guardrails AI

MCP SDK

FastAPI

What you'll build — live projects

- ✓ Multi-SDK LLM Playground
- ✓ Sentiment & Intent Classifier
- ✓ Production RAG Knowledge-Base Chatbot
- ✓ Researcher & Customer Care Agents
- ✓ Multi-Agent Research Coordinator
- ✓ Capstone: Integrated Agentic AI Application

Why this, why now

- ✓ AI is moving from "answering questions" to reasoning, using tools, and taking action
- ✓ Companies are hiring engineers who can build agentic systems, not just prompt a chatbot
- ✓ The shift toward Agentic AI is already here — you don't need to wait for AGI to prepare

Live, mentor-led sessions

- ✓ Small-batch, interactive sessions led directly by Deepesh Mishra, with real-time Q&A and doubt resolution

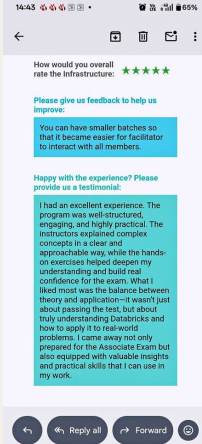
Continued mentorship

- ✓ Support doesn't end at the classroom — get guidance beyond sessions as you apply these skills at work

IN THEIR OWN WORDS

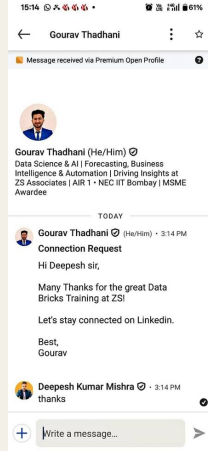
What learners say after training with Deepesh

Real messages, reviews and recommendations sent in by past participants — kept exactly as they arrived.



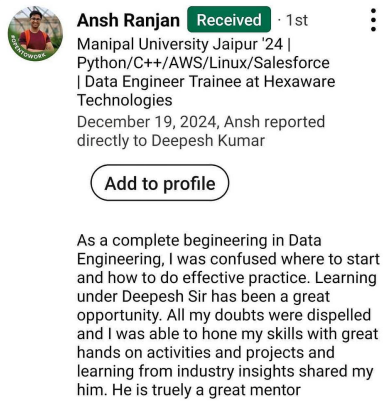
Post-Session Feedback Form
Databricks Associate Certification track

"I had an excellent experience. The program was well-structured, engaging, and highly practical. The instructions explained complex concepts in a clear and approachable way, while the hands-on exercises helped deepen my understanding and build real confidence for the exam. What I liked most was the balance between theory and application—I wasn't just about passing the test, but about truly understanding Databricks and how to apply it to real-world problems. I came away not only prepared for the Associate Exam but also equipped with valuable insights and practical skills that I can use in my work."



Gourav Thadhani
Data Science & AI, ZS Associates

"Many thanks for the great Databricks training at ZS! Let's stay connected."



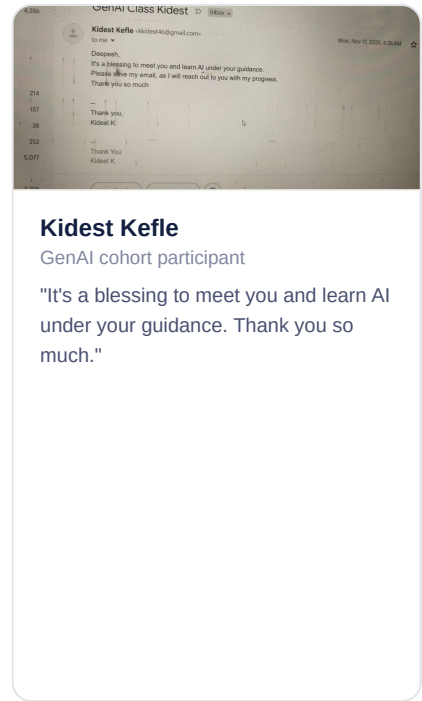
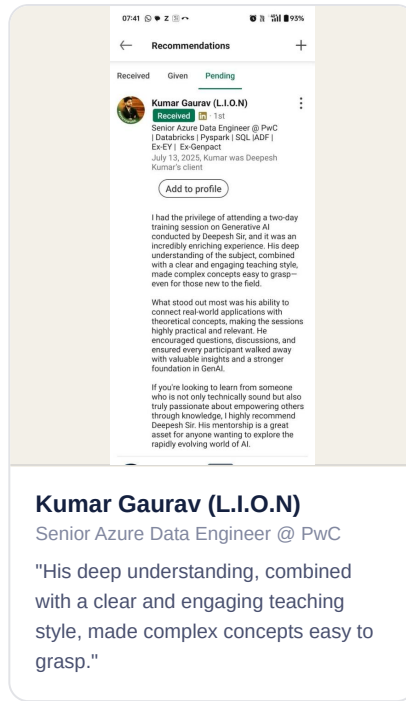
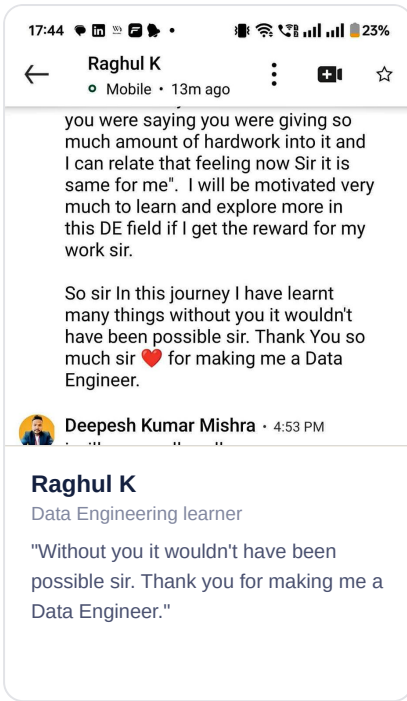
Ansh Ranjan Received · 1st
Manipal University Jaipur '24 |
Python/C++/AWS/Linux/Salesforce
| Data Engineer Trainee at Hexaware Technologies
December 19, 2024, Ansh reported directly to Deepesh Kumar

[Add to profile](#)

As a complete beginner in Data Engineering, I was confused where to start and how to do effective practice. Learning under Deepesh Sir has been a great opportunity. All my doubts were dispelled and I was able to hone my skills with great hands on activities and projects and learning from industry insights shared my him. He is truly a great mentor

Ansh Ranjan
Data Engineer Trainee, Hexaware

"Learning under Deepesh Sir has been a great opportunity. He is truly a great mentor."



From Learner to Engineer Now a Full-Time Software Engineer, Sigmoid

"Beyond the technical stack, the biggest lesson I learned was that clear communication is just as critical as writing clean code... a sincere thank you to my trainers Anil Kumar Sandrapuri and Deepesh Kumar Mishra for their constant guidance, patience, and technical feedback."

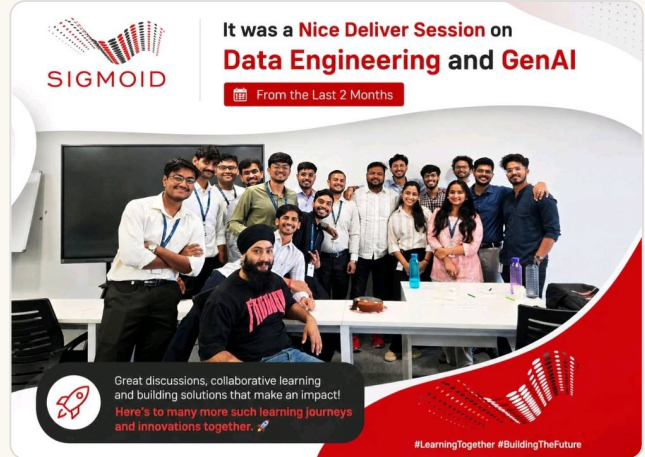
INSIDE THE SESSIONS

Live delivery, real classrooms, real cohorts

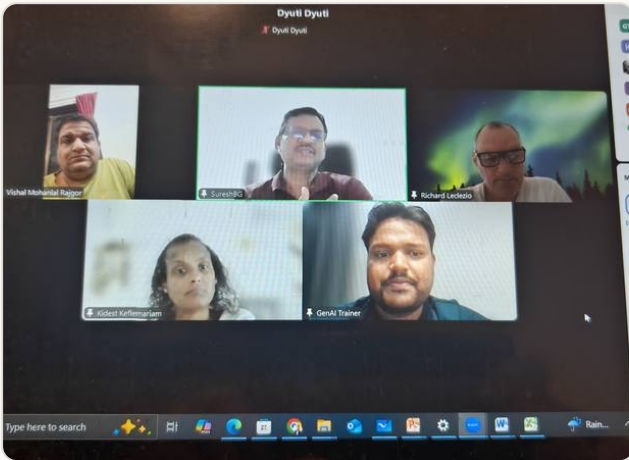
A look at training sessions delivered in person and online — from small-batch GenAI cohorts to full-room enterprise workshops.



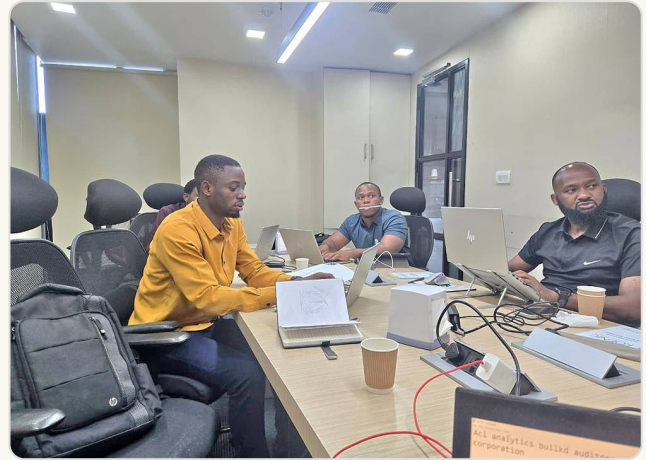
Live enterprise cohort — hands-on quiz & activity, ZS Associates



Sigmoid — Data Engineering & GenAI delivery, in person



Live virtual class — GenAI cohort, Week 11



Small-batch hands-on lab session

FEATURED CLIENT ENGAGEMENTS

Enterprise training, real-world results

Snapshots from recent enterprise delivery — training teams inside the organizations they work for.



Cohort wrap-up — full training group



Success story — learner now a full-time engineer at Sigmoid



CAREER OUTCOMES

Where Applied Agentic AI takes you

Whether you're in QA automation, backend development, or product management — agentic AI skills are becoming the differentiator for the next wave of hiring.

STARTING POINT	WHAT CHANGES AFTER THIS PROGRAM
Automation QA / Test Engineer	Builds and evaluates AI agents, not just test scripts
Software / Backend Developer	Designs tool-using, agentic systems on top of existing APIs
Technical Product Manager	Speaks fluently on agent architecture and can scope AI-native products
Data / AI Professional	Moves from "using AI tools" to engineering production agentic systems

ROLES YOU BECOME READY FOR

- AI Agent Engineer
- Agentic AI Developer
- GenAI Solutions Engineer
- AI Automation Engineer
- AI Product Engineer

Certificate of Completion

- ✓ Every learner who completes the program receives a DataMarcos Applied Agentic AI Certification, validating hands-on proficiency across LLMs, RAG, agents, multi-agent orchestration and MCP

GET STARTED

Six months from now, you could be shipping agents.

You don't need to wait for AGI to prepare. The practical shift is already here. Reach out to the DataMarcos team to know upcoming batch dates, fees, and enrollment steps for the Applied Agentic AI Certification.

Ready to Build What's Next?

Become an Applied Agentic AI Engineer in 8 weeks.

OFFICE ADDRESS

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WEBSITE

www.datamarcos.com

FOUNDER & MENTOR

Deepesh Mishra

PROGRAM

Applied Agentic AI Certification (2 Months / 8 Weeks)