

Agentic AI Developer Certification (AAIDC)

Global Certification Program

- ✓ Globally lifetime Valid Certification
- ✓ Lifetime Valid Certification
- ✓ AI based Roleplay & Simulations
- ✓ Two Exam Attempts



An Overview

what you can expect from this program

The GSDC Agentic AI Developer Certification is a practical, industry-relevant credential designed for professionals seeking to demonstrate expertise in Agentic AI technology.

This certification validates your skills as a Certified Agentic AI Developer, proving your ability to develop and implement advanced AI agents that drive automation and intelligent decision-making in today’s digital economy. With a Certificate in Agentic AI Development from GSDC, you gain access to ready-to-use hands-on resources, expert-crafted templates, and practical use case studies that accelerate your learning and prepare you for real-world applications.

As Agentic AI continues to transform industries, this certification ensures you stay competitive and equipped for emerging AI-driven roles.

	Type	Online self-paced learning, Mocks
	Language	English (including subtitles)
	Access	12 months
	AI based Role play	Prepare yourself for career with AI based roleplay
	Digital certificate upon completion (2 Attempts)	
	Card Payment, Bank Transfer	
	Reading materials & Reference Templates	
	100% money back guarantee*	

GSDC Introduction

Welcome to the Global Skill Development Council (GSDC)!

As an independent, vendor-agnostic certification organization, we empower professionals worldwide.

Leading MNC organizations and global universities recognize our certifications. With a diverse portfolio of over 100+ programs, including L&D, HR, SRE, DevOps, Agile, Six Sigma, and Cyber Security, we've certified over 50,000 professionals.

Partnered with 50+ global training organizations, GSDC is your gateway to unlocking endless opportunities.

Join us today and let your skills soar to new heights!



Introduction

Certified Agentic AI Developer

The GSDC Agentic AI Developer Certification is designed for professionals aiming to become skilled Agentic AI Developers, a field shaping today's technology. This Certificate in Agentic AI Development validates your expertise in building autonomous AI systems that perform complex tasks independently, making you a Certified Agentic AI Developer ready to meet industry demands. By earning the Agentic AI Developer Certification, you gain recognition for your knowledge and practical skills in agentic AI technology, which is becoming essential in businesses worldwide.

Along with the certification exam, you will receive access to ready-to-implement hands-on resources, templates, and tools that accelerate your learning and help you apply your skills effectively. This Agentic AI Developer Certification is a valuable credential for anyone looking to advance in AI development and contribute to the future of autonomous intelligent systems.



Learning Objective

- ☐ Access practical use case studies
- ☐ Utilize ready-to-implement expert templates
- ☐ Enhance AI project deployment efficiency
- ☐ Gain skills for autonomous AI roles
- ☐ Strengthen portfolio with certified credential
- ☐ Improve problem-solving with real-world examples
- ☐ Accelerate learning through hands-on resources
- ☐ Prepare for advanced AI developer roles
- ☐ Boost credibility among AI employers

OBJECTIVES OF AGENTIC AI DEVELOPER

1. Foundations of Agentic AI for Developers

- Introduction to autonomous agents: definitions, types, and lifecycles
- Event-driven and reactive programming models for agents
- State management and memory in autonomous systems
- Key libraries and frameworks overview: LangChain, AutoGen, CrewAI, Semantic Kernel

2. Programming Intelligent Agents

- Implementing agent behaviors: goals, plans, actions
- Tool usage, plugin integration, and function calling
- Embedding reasoning and planning using LLMs (e.g., ReAct, CoT, ToT)
- Adding memory and long-term context with vector stores and state graphs

3. Multi-Agent Systems and Inter-Agent Communication

- Building collaborative and competitive agent networks
- Communication protocols (e.g., message queues, REST, gRPC, WebSockets)
- Role assignment, task delegation, and hierarchy modelling
- Synchronization, conflict resolution, and consensus mechanisms

4. Customizing Agent Workflows with Modern Frameworks

- LangChain agents and chains: building modular workflows
- LangGraph for stateful multi-step agents with branching logic
- AutoGen for dialogue-based, code-executing agents
- Agent orchestration using CrewAI and other tools

5. Building with LLMs and Tool-Using Agents

- Selecting and integrating LLM backends (OpenAI, Anthropic, Mistral, etc.)
- Tool and API calling via OpenAI functions, LangChain tools, or custom plugins
- Implementing Retrieval-Augmented Generation (RAG) pipelines
- Securing API access and implementing role-based tool access

6. Agent Memory, State, and Persistence

- Implementing short-term and long-term memory: Redis, Pinecone, Chroma
- Managing agent context windows, summarization strategies, and checkpoints
- Caching, logging, and serialization of agent states
- Using external data stores and knowledge graphs

7. Testing, Debugging, and Observability of Agents

- Agent simulation and unit/integration testing strategies
- Logging agent behavior and decision-making paths
- Observability tools for monitoring multi-agent interactions
- Debugging loops, failures, and hallucinations in LLMs

8. Deploying Agentic Systems in Production

- Building APIs and frontends to interact with agents
- Containerization with Docker and orchestration with Kubernetes
- Hosting agents in cloud (AWS/GCP/Azure) and on edge devices
- Rate limiting, retries, and circuit breakers for stability

9. Security, Safety, and Ethics for Developers

- Secure tool and API execution within agents
- Red teaming agents for jailbreaking and prompt injection
- Implementing guardrails, filters, and fallback strategies
- Logging, traceability, and human-in-the-loop interventions

10. Capstone Project: End-to-End Voice Agent Development

- Designing conversational flows and intents
- Integrating speech-to-text (Whisper, Deepgram) and text-to-speech (ElevenLabs, Azure TTS)
- Connecting the voice interface with autonomous agent backends
- Handling interruptions, context persistence, and streaming conversations
- Deploying as a real-time voice assistant on web or mobile

11. Capstone Project: Full-Stack Agentic Chatbot Application

- Building a web-based or app-based chatbot UI
- Connecting chat frontends to agent frameworks via API or WebSocket
- Managing user sessions, memory, and context continuity
- Incorporating tools like file upload, code execution, or database queries
- Deployment, user testing, logging, and analytics

Unleash Unlimited Potential

All GSDC certifications come with a lifetime membership, offering you a world of benefits to fuel your professional growth.



Expert Created Learning Material

Learn from knowledge shared by Top Industry Experts with 15+ yrs of experience.



Access to Global Conferences

Be a part of GSDC thriving learning community around the world, sharing knowledge from across the world.



Speaker invites @ GSDC Webinar Series

Share your knowledge with world at GSDC global webinar series, share your expertise and learn from others.



Downloadable Resources

Get access to templates and reference documents which will help you to do your day to day tasks easier.



Certificate Upgrades

Get complimentary certificate upgrades to keep up with the latest updates in processes and frameworks.



Newsletters, blogs with industry insights

Get newsletters, announcements and articles curated by experts direct to your inbox.



AI Based Role Play

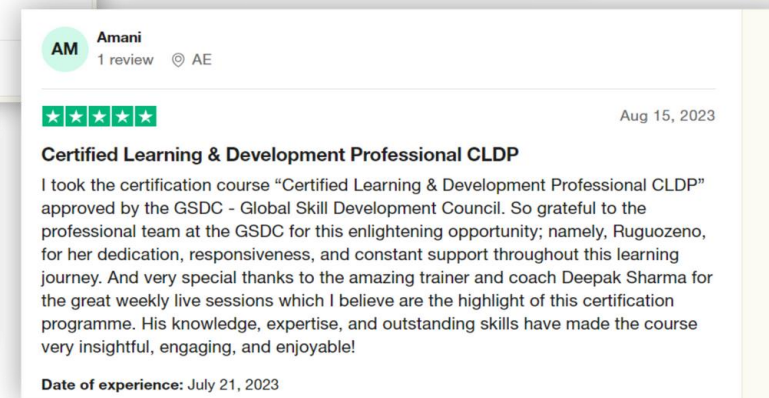
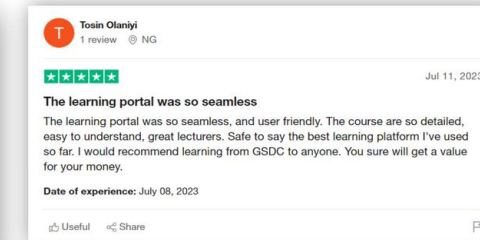
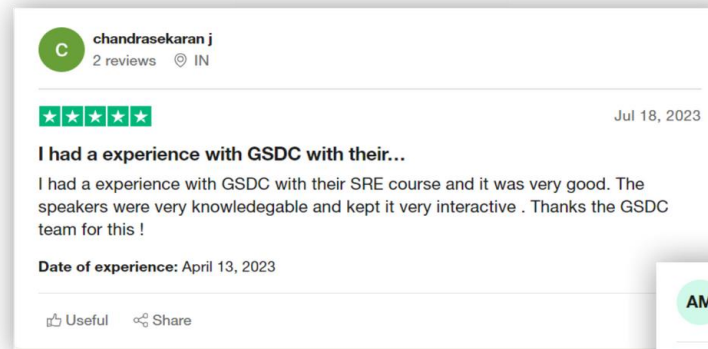
Learn to implement applicability of knowledge with real life simulation based games.

What You Get In this Certification Program?

- Engaging digital learning videos
- Exclusive access to Global thought leader sessions & case studies
- Downloadable and implementable resources to support practical application
- Two mock exams with unlimited attempts for comprehensive preparation
- Certification exam voucher with 1-year validity
- Two attempts for certification exam

What our Candidates Saying?

We greatly appreciate the feedback from our program participants on Trustpilot. With an impressive average rating of 4.7 out of 5, their reviews highlight the positive experiences and value they have gained from our program.



Expert-Led Generative AI: Learn, Connect, Grow



☐ **Interactive Learning Experience:**

Ask questions, discuss case studies, and receive implementation guidelines directly from expert, enhancing your understanding of complex AI topics



☐ **Lifelong Learning Journey:**

Enjoy lifetime access to these sessions, ensuring you stay updated with the latest trends and continuously grow your AI expertise



☐ **Career-Boosting Network:**

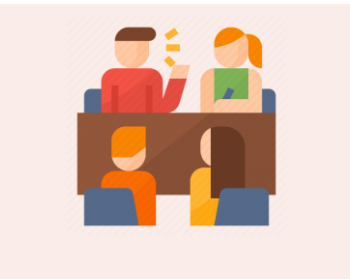
Connect with fellow professionals in the field, creating valuable relationships that can propel your career in the world of Generative AI

AI-Based Interview Practice Platform



- ☐ Engage With Real Time AI Interview Questions.
- ☐ Practice Questions Tailored with Your Expertise.
- ☐ Validate your Knowledge of subject Matter.

Capstone Project



- ☐ Apply Your Skills in Real World Scenario.
- ☐ Learn Methodologies Aligned to Your Expertise.
- ☐ Validate Skills and Knowledge Gained through the Certification.
- ☐ Showcase Expertise via a Capstone Project.

Enrollment-Options

Option-1

Certified in Agentic AI Developer With E-Learning

Fast-track your career by learning a new skill and earning a certificate

- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-2

Bundle

Create your own bundle with 3 certification program

- ✓ 3 Certification Program
- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-1 Certified in Agentic AI Developer with E-Learning

Certified In Agentic AI Developer with Digital Learning

Fast-track your career by learning a new skill and earning a certificate

- ✓ E-Learning from Industry Experts
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ Downloadable Resources



Option-2

Make Your Own Certified in Agentic AI Developer Bundle

**Enrich your skills and advance your career with our exclusive bundle.
Get certified in the following:**

- Certified Generative AI Professional
- Certification In Generative AI In Risk And Compliance
- Certification In Generative AI In Project Management
- Certification In Generative AI In Cybersecurity
- Certification In Generative AI In Business
- Certification In Generative AI In Finance And Banking

Expand your expertise, design impactful learning experiences, and master your skills.

BUY ANY

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CERTIFICATIONS

[Claim Bundle Here !!!](#)

Unlock Workforce Potential Through Skill Validation!

Enroll now with the code **UPSKILL10** To avail 10% discount.

Register Now



100% Money Back Guarantee!

At GSDC, quality is our top priority. Our certification programs are designed to foster professional growth and ensure learning satisfaction. If you do not pass the certification exam after two attempts, we offer a 100% money-back guarantee.

- No Questions Asked*
- 100% Amount Refund*
- No Processing Fees*

Thank You



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