

CERTIFICATION PROGRAM BROCHURE

# Agentic AI Expert Certification

Become the professional who designs, governs, and ships autonomous multi-agent systems at enterprise scale. A globally recognized, hands-on credential built on GSDC's Learn-by-Doing methodology.

**12**

EXPERT MODULES

**32**

LEARN-BY-DOING LABS

**36+**

HOURS OF LEARNING

**5 yr**

CERTIFICATE VALIDITY

SALARY GUIDE · CAREER ROADMAP · AI GOVERNANCE ROLES · HIRING TRENDS · 12-MODULE SYLLABUS · CAPSTONE · EXAM BLUEPRINT

## ABOUT THE CREDENTIAL

# Lead the autonomous AI era

The GSDC Agentic AI Expert Certification validates your ability to architect autonomous AI systems that perceive, reason, and act independently to achieve complex goals. It is designed for senior practitioners who want to move from experimentation to production-grade, governed AI delivery.

**2.5L+**

Professionals Trusted GSDC

**100+**

Live Sessions / Month

**4.8/5**

Reviewer Recommended

**7-Day**

Money-Back Guarantee

## What you will master

- Multi-agent systems & emergent behavior
- Scalable, fault-tolerant agent architectures
- LLM fine-tuning, RAG, LangChain & LangGraph
- Enterprise governance, compliance & ethics
- Operationalizing agents in production

## What sets the program apart

- Globally recognized, self-paced certification
- Hands-on "Learn by Doing" challenges
- 1-on-1 SME connect sessions
- Capstone project + job support
- GSDC Book of Knowledge included

## Program objectives

- Understand autonomous decision-making and AI adaptability
- Apply knowledge through practical use-case studies
- Develop expertise in AI integration and strategy
- Implement AI across real business operations
- Manage and monitor autonomous AI systems
- Navigate ethical and operational implications
- Gain hands-on experience for immediate application
- Prepare for leadership roles in AI-driven organizations

## SALARY GUIDE

# What agentic AI talent earns

Indicative annual compensation ranges for agentic-AI-capable roles, based on publicly reported market data across major hubs. Expert-level certification and multi-agent specialisation sit at the upper end of each band.

Role	India (₹ LPA)	United States (US\$)	Europe (€)
AI / ML Engineer	14 – 32 L	120k – 180k	65k – 105k
Agentic AI Engineer	22 – 48 L	150k – 220k	85k – 135k
AI Solution Architect	32 – 65 L	175k – 260k	100k – 160k
Principal AI Engineer	45 – 90 L	210k – 320k	130k – 200k
AI Governance Lead	30 – 60 L	165k – 240k	95k – 150k
Head of AI / CAIO	70 L – 1.6 Cr	280k – 450k+	180k – 300k+



### Certification premium

Specialised agentic-AI credentials are associated with a meaningful uplift over generalist AI roles at the same seniority.



### Multi-agent skills

Orchestration, RAG and governance skills command the steepest pay curves as enterprises scale agents.



### Leadership track

Principal & architect roles unlock equity, strategy ownership and the highest total-comp bands.

Figures are indicative market ranges for planning purposes and vary by employer, location, experience and equity. Not a guarantee of earnings.

## CAREER ROADMAP

# From practitioner to AI leader

A typical progression path for professionals building toward agentic-AI leadership. The Expert certification is the inflection point between hands-on engineering and strategic ownership.

1

**Foundation (0–2 yrs)**

AI/ML fundamentals, Python, data pipelines. Entry roles: ML Engineer, Data Scientist.

2

**Associate (2–4 yrs)**

Build first agents, prompt engineering, RAG. Roles: Agentic AI Developer, AI Engineer.

3

**Expert (4–7 yrs)★**

Multi-agent architecture, governance, orchestration. **GSDC Agentic AI Expert** sits here.

4

**Principal / Architect (7–10 yrs)**

Own enterprise AI design & strategy. Roles: Principal AI Engineer, AI Solution Architect.

5

**Governance & Risk (parallel)**

AI Governance Lead, Responsible AI Officer — compliance and ethical oversight.

6

**Executive (10+ yrs)**

Head of AI / Chief AI Officer — portfolio, budget and transformation ownership.

## Skills you accumulate along the way

Prompt &amp; context engineering

RLHF

LangChain / LangGraph

AutoGen

RAG pipelines

Agent orchestration

Distributed systems

AI governance

MLOps / monitoring

Change management

50% OFF

**Fast-track the roadmap — enroll at half off**

Skip years of trial and error. Secure your Agentic AI Expert seat now at a 50% saving and step straight onto the Expert tier.

Claim 50% Off →

## AI GOVERNANCE ROLES

# The fastest-growing AI career lane

As autonomous agents take real decisions, organisations are racing to staff oversight functions. Module 7 of the program maps directly to these roles, making governance one of the highest-leverage specialisations for certified experts.

Role	Core mandate	Key skills validated
<b>AI Governance Lead</b>	Design AI governance frameworks & policies	Policy design, risk taxonomy, oversight
<b>Responsible AI Officer</b>	Embed ethics & accountability into delivery	Ethical decision-making, accountability
<b>AI Risk &amp; Compliance Mgr</b>	Navigate regulatory & compliance landscapes	Regulatory mapping, audit, controls
<b>AI Ethics Specialist</b>	Bias detection & mitigation in agent systems	Fairness testing, transparency
<b>Chief AI Officer</b>	Own enterprise AI strategy & assurance	Strategy, stakeholder leadership

## Why governance is booming

- Autonomous agents act without a human in the loop
- Global AI regulation is tightening rapidly
- Boards now demand AI assurance & auditability
- Bias & safety incidents carry brand and legal risk

## What the program covers

- AI governance frameworks & policy creation
- Bias detection & mitigation techniques
- Regulatory landscape & compliance requirements
- Accountability for autonomous decision-making

## HIRING TRENDS

# Where the demand is heading

Signals shaping agentic-AI recruitment. Employers increasingly screen for demonstrable, hands-on agent-building ability rather than theory alone — exactly what a Learn-by-Doing credential evidences.

01

## Agents over models

Hiring is shifting from "build a model" to "orchestrate autonomous agents" that act on outcomes.

02

## Governance surge

Responsible-AI and assurance roles are among the fastest-opening AI requisitions.

03

## Proof of practice

Portfolios, capstones and labs increasingly outweigh generic certificates in screening.

## Sectors hiring agentic-AI talent now

- **Finance** — automated trading, fraud detection, risk
- **Healthcare** — diagnostics, monitoring, care plans
- **Manufacturing** — predictive maintenance, supply chain
- **Government** — service automation, policy simulation
- **Retail & SaaS** — autonomous customer operations
- **Consulting** — enterprise AI transformation delivery

LIMITED-TIME OFFER

## Get certified while demand is peaking

Enrollment for the current cohort is open for a limited time. Position yourself before the hiring wave crests — start today.

Enroll Now →

## COMPLETE SYLLABUS

# 12-module expert curriculum

36+ hours of learning · 2 practice exams · daily live sessions · job-support program. Modules 1–4 below.

## 1 Advanced Agentic AI Concepts & Theoretical Foundations

- Multi-agent systems and emergent behaviors
- Meta-learning and self-adaptive agents
- Agent autonomy & goal-directed decision-making
- Cutting-edge research & breakthroughs

## 3 Integration of Agentic AI with Emerging Technologies

- IoT for real-time agent sensing & action
- Edge computing for latency & privacy
- Blockchain for secure agent interactions
- Quantum computing applications

## 2 Designing Scalable Agentic AI Architectures

- Microservices architecture for AI agents
- Distributed orchestration & fault tolerance
- Load balancing & resource optimization
- High availability and scalability

## 4 Advanced LLMs & Agent Framework Customization

- Fine-tuning LLMs for domain-specific tasks
- Prompt engineering & context management
- RLHF techniques
- Customizing LangChain, LangGraph, AutoGen & RAG

Each module is paired with built-in, AI-powered Learn-by-Doing challenges (full list on pages 14–15).

## COMPLETE SYLLABUS

# Coordination, scale & governance

## 5 Multi-Agent Coordination & Communication Protocols

- Agent collaboration & consensus building
- Competitive & cooperative agent environments
- Secure, efficient communication protocols
- Conflict resolution & negotiation strategies

## 7 Governance, Compliance & Ethical AI Leadership

- AI governance frameworks & policies
- Bias detection & mitigation
- Regulatory landscapes & compliance
- Ethical decision-making & accountability

## 6 Agentic AI in Enterprise-Scale Use Cases

- Finance: trading, fraud detection, risk
- Healthcare: treatment plans, diagnostics, monitoring
- Manufacturing: maintenance, supply chain, QC
- Government: service automation, crisis management

## 8 Operationalizing Agentic AI: Monitoring & Improvement

- Performance monitoring & alerting systems
- Anomaly detection & fault diagnosis
- Model retraining & continuous learning
- Incident response & rollback procedures

**48 HOURS ONLY**

### Your enrollment offer expires in 48 hours

This brochure unlocks a time-boxed offer valid for the next 48 hours. Reserve your Agentic AI Expert seat before the window closes.

[Secure My Seat →](#)

## COMPLETE SYLLABUS

# Scale, capstone & mentorship

**9 Preparing Organizations for Agentic AI at Scale**

- Strategic roadmaps for AI adoption & transformation
- Closing talent gaps with upskilling programs
- Building an AI-driven culture & change management
- Stakeholder engagement & cross-functional collaboration

**11 Building Powerful AI Agents — No Coding Required**

- Drag-and-drop workflow design
- Pretrained AI components & business rules
- One-click deployment & monitoring
- Collaborative iteration & governance

**10 Capstone: Architecting an End-to-End Agentic AI Solution**

- Requirement analysis & solution design
- Development & integration of multi-agent systems
- Deployment & real-world validation
- Documentation & presentation of outcomes

**12 Personalized 1-1 & Daily Group Live Sessions**

- 1-on-1 Trainer / SME connect sessions
- Daily live sessions with industry experts
- Global peer brainstorming community
- Lifelong learning access

Capstone outline detailed on page 10 · Exam blueprint on page 11.

## CAPSTONE PROJECT

# Architect an end-to-end agentic solution

A portfolio-ready capstone takes you from a business brief to a deployed, governed multi-agent system — the centrepiece evidence of your Expert credential.

1

**Phase 1 — Discover & Design**

Requirement analysis, success metrics, agent topology and solution architecture blueprint.

2

**Phase 2 — Build & Integrate**

Develop and integrate multi-agent systems with LLMs, tools, memory and RAG pipelines.

3

**Phase 3 — Deploy & Validate**

Real-world deployment, monitoring, evaluation and validation against the brief.

4

**Phase 4 — Document & Present**

Governance write-up, results documentation and a stakeholder-ready presentation.

**Deliverables assessed**

- Solution-design document with agent architecture diagram
- Working multi-agent prototype with orchestration logic
- Governance & risk note covering bias, safety and compliance
- Validation report with metrics and a recorded presentation

RECOMMENDED FOR YOU

**Build this capstone for your own portfolio**

Related to your goals: professionals on the architect track use this capstone as job-interview proof. Enroll and start building yours.

Start the Capstone →

## EXAM BLUEPRINT

# How you earn the credential

**40**

Questions

**90**

Minutes

**65%**

To Pass

**5 yr**

Validity

Parameter	Detail
Exam questions	40 questions
Format	Multiple choice
Duration	90 minutes
Passing score	65%
Language	English
Open book	No
Certification validity	5 years
Complimentary retake	Yes — one free retake included

## Indicative weighting

- Foundations & architecture — ~30%
- LLMs, frameworks & coordination — ~30%
- Enterprise use cases & operations — ~20%
- Governance, ethics & scale — ~20%

## How to prepare

- Complete all 12 modules & 32 labs
- Sit both included practice exams
- Use the GSDC Book of Knowledge
- Bring questions to 1-on-1 SME sessions

Weightings are indicative for study planning. Refer to the official exam guide for the authoritative blueprint.

## CAREER OUTCOME 1

# Principal AI Engineer

The senior technical authority for autonomous systems — owning the hardest architecture decisions and setting engineering standards across agent platforms.

## What you'll own

- Reference architecture for multi-agent platforms
- Fault tolerance, scalability & performance at scale
- Framework choices: LangGraph, AutoGen, RAG design
- Engineering standards & technical mentorship

## Certification mapping

- Modules 2, 5, 8 — architecture & operations
- Module 4 — advanced LLM & framework mastery
- Capstone — end-to-end system ownership
- Module 7 — safe, governed deployment

## Typical profile

Experience

**7–10+ years**

Indicative comp (US)

**\$210k–320k**

Reports into

**Head of AI / CTO****EXCLUSIVE OFFER**

## Engineer your move to Principal

Unlock an exclusive enrollment offer reserved for serious candidates and build the credential principal-level hiring panels look for.

[Get Certified →](#)

## CAREER OUTCOME 2

# AI Solution Architect

The bridge between business goals and agentic systems — translating requirements into deployable, compliant, value-generating AI solutions.

## What you'll own

- Solution blueprints from business requirements
- Integration with IoT, edge, data & enterprise systems
- Build-vs-buy & platform selection decisions
- Stakeholder alignment & delivery roadmaps

## Certification mapping

- Modules 3 & 6 — integration & enterprise use cases
- Module 9 — scaling AI across the organisation
- Module 11 — low-code agent delivery
- Capstone — requirement-to-deployment design

## Typical profile

Experience

**6–10 years**

Indicative comp (US)

**\$175k–260k**

Works with

**Product, Eng & Exec**

## Why employers value this credential

It evidences not only architecture knowledge but a delivered capstone, governance literacy and hands-on tool fluency — reducing hiring risk and shortening ramp-up time.

## 32 LEARN-BY-DOING ACTIVITIES

# Apply every concept — labs 1–16

Every lesson ships with a built-in, AI-powered challenge on the same platform so you practise in real time. Activities 1–16 below; 17–32 on the next page.

- 1 **Map a multi-agent system** and identify emergent behaviors.
- 2 **Design a self-adaptive agent** using a meta-learning loop.
- 3 **Model goal-directed autonomy** for a decision agent.
- 4 **Review a research paper** and extract an agentic pattern.
- 5 **Architect microservices** for an agent ecosystem.
- 6 **Add fault tolerance** to a distributed agent cluster.
- 7 **Load-balance agents** and optimise resource usage.
- 8 **Design for high availability** and horizontal scale.
- 9 **Connect IoT sensors** for real-time agent action.
- 10 **Deploy an edge agent** to cut latency and protect privacy.
- 11 **Use blockchain** for verifiable agent interactions.
- 12 **Prototype a quantum-inspired** optimisation routine.
- 13 **Fine-tune an LLM** for a domain-specific task.
- 14 **Engineer prompts** with robust context management.
- 15 **Run an RLHF loop** to align agent responses.
- 16 **Build a RAG workflow** in LangChain / LangGraph.

**HALF PRICE**

## All 32 labs, now at half the standard cost

Get full access to every hands-on challenge and the AI-powered practice platform — currently available at half price for new enrollees.

[Unlock the Labs →](#)

## 32 LEARN-BY-DOING ACTIVITIES

## Apply every concept — labs 17–32

- 17 **Customise AutoGen** for a cooperative agent team.
- 18 **Implement consensus** across collaborating agents.
- 19 **Build a negotiation protocol** for competing agents.
- 20 **Secure agent messaging** with an efficient protocol.
- 21 **Build a finance agent** for fraud or risk detection.
- 22 **Prototype a healthcare** diagnostics support agent.
- 23 **Automate a supply chain** with predictive agents.
- 24 **Design a public-service** automation workflow.
- 25 **Draft a governance framework** for an agent system.
- 26 **Run a bias audit** and apply mitigation techniques.
- 27 **Map a compliance checklist** to a regulatory regime.
- 28 **Stand up monitoring** & alerting for live agents.
- 29 **Detect anomalies** and diagnose agent faults.
- 30 **Plan a retraining** & rollback strategy.
- 31 **Build a no-code agent** with drag-and-drop tooling.
- 32 **Draft an adoption roadmap** for org-wide scaling.

### Your Learn-by-Doing outcome

By completion you will have a portfolio of 32 applied artifacts plus a full capstone — concrete, demonstrable proof of agentic-AI capability for hiring managers and clients.

## WHO SHOULD ENROLL

# Built for builders & leaders

The program suits professionals ready to take ownership of autonomous AI — from engineers deepening their craft to leaders steering AI strategy.

## Target audience

AI / ML Engineers

Data Scientists

Product Managers

Tech Strategists

Cybersecurity Experts

Innovation Leads

R&amp;D Professionals

CTOs &amp; CIOs

Digital Transformation Leaders

Aspiring AI Professionals

## Prerequisites

A foundational understanding of AI concepts and some work experience in AI-related fields is **recommended but not mandatory**. Motivated career-changers are welcome.

## Time commitment

- 36+ hours of self-paced learning
- Daily optional 45-min live sessions
- Flexible — fit it around full-time work

RISK-FREE OFFER

## Enroll with a 7-day money-back guarantee

Try the program risk-free. If it isn't right for you within 7 days, get a full refund — so the only thing to lose is the head start.

Enroll Risk-Free →

## WHAT YOU GET

# Everything in your enrollment

A complete, career-ready package — content, mentorship, assessment and job support in one credential.

**Self-paced expert-led videos**

Full tutorial library across all 12 modules, with lifetime access.

**GSDC Studio — daily live sessions**

100+ live monthly sessions with global AI experts.

**1-on-1 SME connect**

Personal trainer / SME sessions to resolve any query.

**GSDC Book of Knowledge**

Structured study material aligned to the exam blueprint.

**Exam + free retake & practice**

Certification exam with a complimentary retake and practice tests.

**Capstone + job support**

Portfolio capstone plus a dedicated job-support program.

**Plus — GSDC membership included**

Enrollment includes complimentary GSDC membership and access to the broader certified-professional community and resource library.

## THE CREDENTIAL

# A globally recognized certificate

The Certified Agentic AI Expert credential signals validated, real-world capability in autonomous AI — recognised by employers worldwide and valid for five years.

**Globally recognized**

Trusted by 2,50,000+ professionals across leading enterprises.

**5-year validity**

Your certification remains valid for five years from issue.

**Verifiable badge**

Shareable digital badge for LinkedIn and professional profiles.

**7-DAY  
BACK****7-day, 100% money-back guarantee**

GSDC is committed to your growth. If within 7 days you feel you haven't gained the skills you're looking for, you're covered by a full 100% money-back guarantee. (See refund policy for terms.)

**Recognised across leading organisations**

Oracle

Amazon

Microsoft

Cisco

HP

Deloitte

Bank of America

Volkswagen

Logos denote organisations where GSDC-certified professionals work; not an endorsement.

## HOW IT WORKS

# Watch · practise · get certified

1

**Watch the video**

Learn each tool and concept through expert-led tutorials.

2

**Practise live**

Tackle the built-in, AI-powered challenge on the same platform.

3

**Get certified**

Complete the capstone, pass the exam, earn your credential.

**GSDC AI Studio — 100+ live sessions / month****Session highlights**

- 4 daily expert-led sessions (45 minutes each)
- Global experts & real-time practice
- Certification-aligned, job-ready skills
- Instant doubt resolution

**30+ leading AI tools**

Apply real-world use cases, templates and expert resources across 30+ tools including ChatGPT, Claude, Google AI Studio, Jasper and more — much of it no-code.

**Learn from industry practitioners**

Sessions are led by experienced practitioners and leaders from organisations such as Amazon, Oracle, Capgemini and LTIMindtree, bringing real-world expertise into every module.

## YOUR NEXT MOVE

# Become a Certified Agentic AI Expert

You've seen the roadmap, the salary upside, the curriculum and the proof-of-practice. The autonomous-AI era rewards those who move early. Take your place among the certified.

**12 modules**

Foundations to enterprise scale & governance.

**32 labs + capstone**

A portfolio that proves real capability.

**Job support**

Capstone, mentorship and a job-support program.

**FINAL CALL****Claim your seat in the current cohort**

This is your last prompt in this brochure — enroll now to lock in your place, your mentorship and your offer before the cohort fills.

[Enroll Now →](#)**Get in touch**

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