

STARTER GUIDE & 90-DAY PATHWAY

How to Master Agentic AI

Your complete starting point: a printable 90-day roadmap, a strategy and maturity-model primer, the full GSDC Agentic AI Expert syllabus, salary and career context, and 32 hands-on activities to build real skills.

90

DAY ROADMAP

5

MATURITY LEVELS

12

SYLLABUS MODULES

32

HANDS-ON ACTIVITIES

90-DAY PLAN · STRATEGY & MATURITY PRIMER · FUTURE TRENDS · SALARY GUIDE · CAREER ROADMAP · GOVERNANCE ROLES
· SYLLABUS · EXAM

WELCOME

Your path to agentic-AI mastery

Agentic AI — systems that plan, call tools, and complete multi-step work autonomously — is the fastest-appreciating skill set in tech. This guide gives you a clear, paced way in: understand it, plan it, build it, and get certified.

What you'll get

- A primer on agentic AI, strategy & maturity
- A printable 90-day learning roadmap
- The full 12-module syllabus & exam blueprint
- 32 hands-on activities to build a portfolio
- Salary, career & hiring context

How to use it

- Read the primer (pages 3–6) to get oriented
- Print the 90-day plan (pages 7–9) and tick it off
- Use the syllabus & labs as your study spine
- Aim for the exam at the end of the 90 days

56%

AI-skills wage premium (PwC 2025)

3.5×

AI-exposed jobs growing faster

90 days

To exam-ready, part-time

7-Day

Money-back guarantee

Market figures: PwC 2025 Global AI Jobs Barometer. The 90-day timeline assumes a few focused hours per week alongside work; adjust to your pace.

PRIMER

From chatbots to autonomous agents

A generative model answers a prompt. An **agent** pursues a goal: it reasons about what to do, takes actions through tools, observes results, and keeps going until the job is done — with as little or as much human oversight as you design in.

1

Perceive

Take in a goal, context and live data.

2

Reason & plan

Decide the next step or a full plan.

3

Act

Call tools, APIs, code or other agents.

The building blocks you'll learn

- **LLM core** — the reasoning engine
- **Tools** — search, code, APIs, databases
- **Memory** — short-term context + long-term store
- **Orchestration** — coordinating multiple agents
- **Retrieval (RAG)** — grounding in your data
- **Governance** — guardrails, policy, oversight

Why it matters now

Autonomy turns AI from a helper into a worker. That shift is why agentic skills command a premium — and why employers want people who can build these systems responsibly, not just describe them.

MATURITY MODEL PRIMER

The five levels of agentic maturity

A simple way to place any organisation — or your own skills — on the path from AI-assisted work to a self-optimising, agent-run enterprise.

1

Assisted

Humans do the work; AI suggests and drafts.

2

Task Automation

Single agents automate discrete, well-scoped tasks.

3

Orchestrated Agents

Multi-agent workflows coordinated across a process.

4

Autonomous Operations

Agents run end-to-end processes with human oversight.

5

Self-Optimising Enterprise

Agents continuously improve, governed at scale.

Where most teams are

Most organisations sit at Levels 1–2 and are pushing toward Level 3. The scarce, well-paid skill is moving teams safely from 2 to 4.

Where you fit

This guide and the certification take you from understanding (L1–2) to designing and governing orchestrated, autonomous systems (L3–4+).

50% OFF**Level up your maturity — at half off**

The certification takes you from Level 1–2 understanding to Level 3–4 design & governance. Enroll now at 50% off.

[Claim 50% Off →](#)

STRATEGY PRIMER

How organisations adopt agentic AI

A repeatable adoption playbook — the same one you'll be expected to lead as you move into senior and architect roles.

1

Find high-value workflows

Target repetitive, multi-step processes with clear ROI.

2

Start with augmentation

Keep humans in the loop before granting autonomy.

3

Build governance early

Guardrails, audit and policy from day one — not later.

4

Upskill the team

Close talent gaps with structured, hands-on training.

5

Measure & iterate

Track quality, cost, latency and risk; improve.

6

Scale with control

Promote proven agents to broader, governed operations.

The principle that ties it together

Value comes from rethinking how work gets done — integrating people and agents — not from bolting AI onto old processes. Start small, govern early, scale what works.

FUTURE TRENDS

Where agentic AI is heading

The directions shaping demand through 2026 and beyond — and the skills that will stay valuable as the field matures.

Multi-agent goes mainstream

Orchestrated teams of specialised agents become the default for complex work.

Agentic RAG & live data

Agents that retrieve, re-query and self-correct against current knowledge.

Governance & regulation

Assurance, auditability and policy become first-class requirements.

Interoperability

Standard protocols let agents and tools connect across vendors.

Domain-specialised agents

Vertical agents (finance, health, legal) built by domain + AI experts.

Human-agent teaming

The operating model shifts to people supervising fleets of agents.

What stays valuable

Tools churn; principles last. Architecture patterns, orchestration, retrieval design and governance transfer across whatever frameworks come next — which is exactly what this pathway builds.

LIMITED-TIME OFFER

Get ahead of the curve

Enrollment is open for a limited time. Build the durable skills that outlast any single framework or trend.

[Enroll Now →](#)

THE 90-DAY ROADMAP

Three phases to exam-ready

A part-time plan you can print and tick off. Three 30-day phases take you from foundations to a finished capstone and a passed exam.

1

Days 1–30 · Foundations

Concepts, the ReAct loop, your first working agent and RAG basics.

2

Days 31–60 · Build

Memory, multi-agent orchestration, frameworks and enterprise patterns.

3

Days 61–90 · Master

Governance, the capstone, exam prep and certification.

Phase	Weeks	Focus	Modules	Outcome
Foundations	1–4	Concepts & first agent	1, 4	A working ReAct agent
Build	5–8	Memory, multi-agent, RAG	2, 3, 5, 6	An orchestrated system
Master	9–12	Governance & capstone	7, 8, 9, 10	Capstone + exam pass

How to pace it

Plan ~4–6 focused hours per week. Each phase ends with a concrete deliverable, so you always have something to show. Slip a week if you need to — momentum matters more than speed.

90-DAY PLAN · PRINT & TICK

Phase 1 & 2 — Days 1–60

PHASE 1**Foundations**

Days 1–30

Week 1 · Orient

- Read Module 1; learn agent vs. model
- Set up your tools & an LLM API key

Week 2 · ReAct

- Study the ReAct loop & tool use
- Complete Learn-by-Doing labs 1–4

Week 3 · First agent

- Build a ReAct agent with one tool
- Add an iteration cap & error handling

Week 4 · RAG basics

- Module 4: prompts, context, RAG
- Ship a simple RAG Q&A (lab 16)

PHASE 2**Build**

Days 31–60

Week 5 · Memory

- Add short- & long-term memory (lab 30)
- Wire a vector store

Week 6 · Architecture

- Module 2: scalable agent design
- Labs 5–8 (microservices, HA)

Week 7 · Multi-agent

- Module 5: orchestration & protocols
- Build an orchestrator (labs 17–20)

Week 8 · Enterprise

- Module 6: sector use cases
- Prototype a domain agent (labs 21–24)

48 HOURS ONLY

Get the guided version of this plan

The certification turns this roadmap into mentored, structured learning. This offer is valid for the next 48 hours.

[Secure My Seat →](#)

90-DAY PLAN · PRINT & TICK

Phase 3 — Days 61–90

PHASE 3

Master & Certify

Days 61–90

Week 9 · Governance

- Module 7: guardrails & policy
- Add a governance wrapper (lab 25)

Week 10 · Operate

- Module 8: monitoring & rollback
- Anomaly detection (lab 29)

Week 11 · Capstone

- Module 10: design & build capstone
- Combine patterns end-to-end (lab 32)

Week 12 · Exam

- Sit both practice exams
- Take the certification exam

End-of-90 checklist

- A working multi-agent, governed system
- A portfolio of 32 completed activities
- A documented capstone you can demo
- A passed exam (65%+) & credential

Keep momentum

- Ship something small every week
- Write up each lab as portfolio proof
- Bring blockers to a 1-on-1 SME session
- Review weak areas before the exam

Timeline is a guide for part-time learners; the certification's self-paced format lets you go faster or slower.

FULL SYLLABUS

The 12-module curriculum

36+ hours of learning · 2 practice exams · daily live sessions · job-support program.

1 Advanced Agentic AI Concepts & Foundations

- Multi-agent systems & emergent behavior
- Meta-learning & self-adaptive agents
- Goal-directed decision-making

2 Designing Scalable Agentic AI Architectures

- Microservices for AI agents
- Distributed orchestration & fault tolerance
- High availability & scalability

3 Integration with Emerging Technologies

- IoT for real-time sensing & action
- Edge computing for latency & privacy
- Blockchain & quantum applications

4 Advanced LLMs & Framework Customization

- Fine-tuning LLMs for domain tasks
- Prompt engineering & RLHF
- LangChain, LangGraph, AutoGen & RAG

5 Multi-Agent Coordination & Protocols

- Collaboration & consensus building
- Secure communication protocols
- Conflict resolution & negotiation

6 Agentic AI in Enterprise Use Cases

- Finance, healthcare, manufacturing
- Government & public services
- Sector-specific deployment patterns

RECOMMENDED FOR YOU

Follow the syllabus that fits this plan

Related to your 90-day roadmap: these modules are the study spine. Enroll to get the videos, labs and mentoring.

[Get Certified →](#)

FULL SYLLABUS

Governance, scale, capstone

7 Governance, Compliance & Ethical AI Leadership

- Governance frameworks & policy
- Bias detection & mitigation
- Regulation, compliance & accountability

8 Operationalizing Agentic AI

- Monitoring & alerting systems
- Anomaly detection & fault diagnosis
- Retraining, incident response & rollback

9 Preparing Organizations at Scale

- AI adoption & transformation roadmaps
- Closing talent gaps & upskilling
- Change management & stakeholders

10 Capstone: End-to-End Agentic AI Solution

- Requirement analysis & design
- Build & integrate multi-agent systems
- Deploy, validate, document & present

11 Building AI Agents — No Coding Required

- Drag-and-drop workflow design
- Pretrained components & business rules
- One-click deployment & monitoring

12 Personalized 1-1 & Daily Live Sessions

- 1-on-1 Trainer / SME connect
- Daily expert-led live sessions
- Global peer community & lifelong access

Exam blueprint on the next page · the 90-day plan maps each week to these modules.

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%

Exam-prep (Week 12)

- Complete all 12 modules & 32 labs
- Sit both included practice exams
- Use the GSDC Book of Knowledge
- Review weak topics in SME sessions

EXCLUSIVE OFFER

Exam, practice tests & a free retake

Unlock an exclusive enrollment offer that includes the exam, two practice tests and a complimentary retake.

[Enroll Now →](#)

32 LEARN-BY-DOING ACTIVITIES

Build as you learn — 1–16

Every lesson ships with a built-in, AI-powered challenge. These 32 artifacts become your portfolio. Activities 1–16 below — they slot into Phases 1 & 2 of the roadmap.

- 1 **Map a multi-agent system** and its emergent behaviors.
- 2 **Design a self-adaptive agent** with a meta-learning loop.
- 3 **Model goal-directed autonomy** for a decision agent.
- 4 **Build a ReAct agent** with tools & an iteration cap.
- 5 **Architect microservices** for an agent ecosystem.
- 6 **Add fault tolerance** to a distributed agent cluster.
- 7 **Load-balance agents** and optimise resources.
- 8 **Design for high availability** and horizontal scale.
- 9 **Connect IoT sensors** for real-time agent action.
- 10 **Deploy an edge agent** for latency & 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.

32 LEARN-BY-DOING ACTIVITIES

Build as you learn — 17–32

- 17 **Build an orchestrator** routing to worker agents.
- 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 **Add a governance wrapper** with input/output guardrails.
- 26 **Run a bias audit** and apply mitigation.
- 27 **Map a compliance checklist** to a regulation.
- 28 **Add a planner–executor** with replan-on-failure.
- 29 **Detect anomalies** and diagnose agent faults.
- 30 **Wire long-term memory** with a vector store.
- 31 **Build a no-code agent** with drag-and-drop tooling.
- 32 **Ship the capstone** — combine patterns end-to-end.

HALF PRICE

All 32 activities, now at half price

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

[Unlock the Labs →](#)

SALARY GUIDE

What mastery is worth

Indicative 2026 US base by role, with median hourly. Completing this pathway positions you for the upper percentiles.

\$136.8K

US median (≈\$66/hr)

\$208K

75th percentile

\$233.5K

90th percentile

56%

AI-skills premium (PwC)

Role	Median base	90th pct	\$/hr*
Agentic AI Engineer	\$165k	\$235k	\$79
Multi-Agent Systems Engineer	\$195k	\$300k	\$94
AI Solution Architect	\$225k	\$315k	\$108
Principal AI Engineer	\$320k	\$450k	\$154
AI Governance Lead	\$200k	\$260k	\$96

*Median ÷ 2,080 hrs. Sources: ZipRecruiter (2026) & 2026 industry salary guides; PwC 2025 AI-skills wage premium. Indicative; not a guarantee of earnings.

CAREER ROADMAP

From practitioner to AI leader

Where this guide takes you next. The Expert certification is the inflection point into higher-paid, higher-ownership roles.

1

Foundation · ~\$110k–\$160k

AI/ML basics. ML Engineer, Data Scientist.

2

Associate · ~\$160k–\$200k

First agents, RAG. Agentic AI Developer.

3

Expert · ~\$200k–\$280k ★

Patterns, multi-agent, governance. GSDC Agentic AI Expert.

4

Principal / Architect · ~\$250k–\$450k

Own enterprise AI design & standards.

5

Governance & Risk · ~\$185k–\$275k

AI Governance Lead, Responsible AI Officer.

6

Executive · \$350k+

Head of AI / Chief AI Officer.

RISK-FREE OFFER

Start the climb — with a 7-day guarantee

Try the program risk-free. If it isn't right within 7 days, get a full refund. Take the first step up the roadmap today.

Enroll Risk-Free →

AI GOVERNANCE ROLES

The oversight career lane

As autonomous agents make real decisions, organisations are staffing oversight functions fast. Module 7 maps directly to these well-paid roles.

Role	Median base	Core mandate
AI Governance Lead	\$200k	Frameworks, policy & oversight
Responsible AI Officer	\$210k	Ethics & accountability in delivery
AI Risk & Compliance Mgr	\$185k	Regulatory mapping & audit
AI Ethics Specialist	\$175k	Bias detection & mitigation
Chief AI Officer	\$350k+	Enterprise AI strategy & assurance

Why it's booming

- Agents act without a human in the loop
- AI regulation is tightening globally
- Boards now demand AI assurance

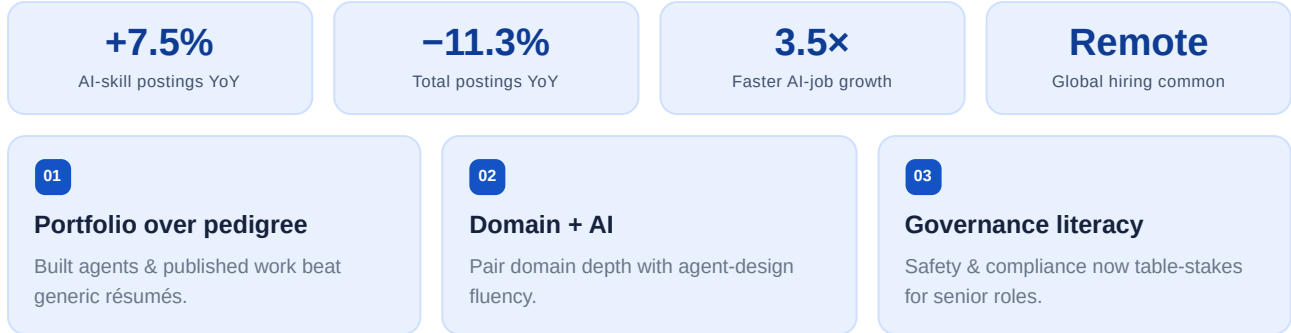
What Module 7 covers

- Governance frameworks & policy
- Bias detection & mitigation
- Compliance & accountability

HIRING TRENDS

What 2026 employers screen for

Even as overall postings fell, AI-skill demand rose. Employers want proof you can build, ship and govern agents — exactly what your 90-day portfolio demonstrates.



Posting trends per PwC 2025 Global AI Jobs Barometer; remote/hiring patterns per 2026 job-market reporting.

WHAT YOU GET

Everything to complete the pathway

Self-paced expert-led videos

Full tutorial library across all 12 modules, 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.

Exam + free retake & practice

Certification exam with a complimentary retake.

Capstone + job support

Portfolio capstone plus a job-support program.

**7-DAY
BACK****Globally recognized · 5-year validity · 7-day money-back guarantee**

A vendor-neutral credential trusted by 2,50,000+ professionals. If within 7 days 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.)

Oracle

Amazon

Microsoft

Cisco

HP

Deloitte

Bank of America

Volkswagen

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

YOUR NEXT MOVE

Start your 90 days today

You have the primer, the printable plan, the syllabus and the activities. The hardest part is starting — so make today Day 1, with mentorship and a recognized credential behind you.

90-day plan

A clear, printable path to exam-ready.

32 activities + capstone

A portfolio that proves real capability.

Job support

Capstone, mentorship & a job-support program.

FINAL CALL**Make today Day 1 — claim your seat**

This is your last prompt in this guide — 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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