

Certified Forward Deployed Engineer

Achieve Global status as an Agentic AI Professional

- ✓ Globally Recognized Certification
- ✓ Learn By Doing Approach
- ✓ Access to live session from global experts
- ✓ Two Exam Attempts



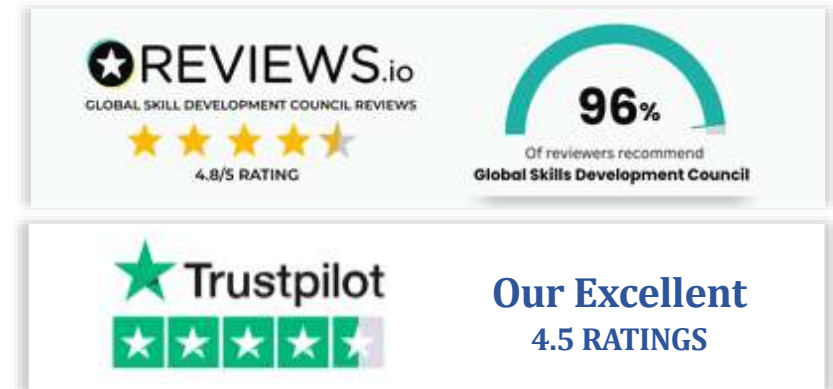
Global Skill Development Council (GSDC)

- ✓ GSDC is an independent, vendor-neutral organization offering certifications in emerging technologies and skill-based frameworks.
- ✓ Established in 2016 with offices in the US, Singapore, and Switzerland.
- ✓ Certified 250,000+ professionals worldwide.
- ✓ Certification exams are designed by SMEs across the Globe.
- ✓ GSDC is also associated with 500+ Fortune companies such as E.Y., Kyndryl, Deloitte, IBM & more.
- ✓ GSDC is supported by esteemed thought leaders from Yale, MIT, Stanford, Wharton, and Harvard.
- ✓ 100+ Certification portfolio includes – Generative AI, L&D, Cyber Security, ISO Auditing etc.
- ✓ Partnered with 100+ Global Training Partners.

Accredited By:



TRUST SCORE



FEATURED IN :



Globally Accredited to ISO/IEC 17024

Your certification is backed by an independently accredited certification body — not a self-issued credential.

✓ IAS Accredited

Personnel Certification Body · PCB-168

ISO/IEC 17024

IAF MLA Recognized

The Global Skill Development Council (GSDC) is a leading global professional certification body, advancing skill development and professional excellence across industries and countries.

GSDC is independently accredited by the International Accreditation Service (IAS) as a Personnel Certification Body, PCB-168, aligning its certification processes with ISO/IEC 17024 across all GSDC certifications — supporting the credibility, consistency and global recognition of its certifications.





Overview

- The Certified Forward Deployed Engineer program by GSDC equips professionals with the technical and professional skills needed to work at the front line of AI and software deployment with enterprise clients
- The program combines production engineering fundamentals with real-world client engagement skills, enabling learners to build, deploy, and deliver AI-powered solutions in live enterprise environments
- Through GSDC's Learn by Doing approach, participants gain hands-on experience with Python engineering, API design, LLM workflows, RAG systems, agentic AI, and full-stack deployment
- This globally recognized certification validates expertise across the complete forward deployed engineering lifecycle and prepares professionals for high-impact roles in AI deployment, enterprise consulting, and technical client delivery

GSDC FORWARD DEPLOYED ENGINEER CERTIFICATION PROGRAM FEATURES



Learn By Doing



GSDC Studio – Access to daily live session



1 on 1 connect



GSDC AI Utility



AI Powered Capstone Project



Interview Practice Platform



2 Practice Exams



GSDC Copilot

Certified Forward Deployed Engineer Program Curriculum



Module 1: FDE Mindset and Problem Structuring

- The FDE role, responsibilities, and real-world scenarios
- FDE vs ML Engineer vs Solutions Architect vs Consultant
- Systems thinking and input-processing-output mental models
- Business-to-technical translation frameworks
- Problem decomposition using first-principles and MECE
- Understanding constraints, trade-offs, and feasibility analysis
- Identifying signal vs noise in client requirements

Module 2: Production-Ready Python

- Writing clean, modular, and testable Python functions
- Project structuring and configuration management
- Type hints, docstrings, and code documentation
- Working with JSON, environment variables, and API responses
- Error handling, logging, and defensive programming
- Virtual environments and dependency management
- Code quality tools including linting, formatting, and testing

Module 3: Backend Development and API Design

- API fundamentals including REST, HTTP methods, and request-response flow
- Designing JSON-based endpoints with clear contracts
- Building APIs with FastAPI including routes, dependencies, and async
- Authentication basics including API keys and JWT
- Error handling, exception management, and API testing
- Auto-generated documentation with Swagger and OpenAPI
- Microservices fundamentals and inter-service communication

Module 4: Data Engineering and Pipeline Thinking

- How data moves through modern systems
- ETL vs ELT principles and trade-offs
- Pipeline design patterns including batch vs streaming
- Storage strategies including SQL, NoSQL, and vector databases
- Data quality, validation, and monitoring
- Introduction to data observability

Module 5: ML Foundations and Model Lifecycle

- ML fundamentals including supervised, unsupervised, and reinforcement learning
- Feature engineering and data preprocessing
- Model selection, training, validation, and evaluation
- Experiment tracking with MLflow and Weights and Biases
- Model versioning, registry, and reproducibility
- When to use ML vs LLM vs rule-based systems

Module 6: Deep Learning and NLP Essentials

- Neural networks, activations, and backpropagation
- Transfer learning and pre-trained models
- NLP fundamentals including tokenization, embeddings, and attention
- Hugging Face ecosystem for practical use
- LLM-based NLP for classification, extraction, and summarization
- Integrating deep learning models into application backends

Module 7: Prompt Engineering and LLM Workflows

- Prompt engineering fundamentals including clarity, context, and constraints
- Zero-shot, few-shot, and chain-of-thought patterns
- Role prompting, system prompts, and structured output
- Advanced techniques including ReAct, self-consistency, and reflection
- Managing non-determinism, hallucinations, and LLM limitations
- Cost, latency, and token optimization

Module 8: Retrieval-Augmented Generation

- Why LLMs need external context
- The RAG flow from chunking through embedding, retrieval, and generation
- Embedding models and vector databases including FAISS, Chroma, and Pinecone
- Chunking strategies and metadata design
- Common RAG failure modes and how to fix them
- Hybrid retrieval, re-ranking, and query rewriting

Module 9: Agentic Systems and Orchestration

- What an agent is and how reasoning and tool use work together
- Tool calling and function calling patterns
- Multi-step agents and planning loops
- Frameworks including LangChain, LlamaIndex, and custom orchestration
- Memory types including short-term, long-term, and episodic
- Multi-agent collaboration and safety guardrails

Module 10: UI Integration and Rapid Prototyping

- Why UI matters in client engagements
- Streamlit fundamentals including layout, widgets, and state
- Connecting UI with backend APIs
- Gradio as an alternative for ML demos
- UX patterns for AI applications
- Polishing prototypes for client presentations

Module 11: Deployment, MLOps, and Cloud

- Git workflows for team collaboration
- Docker fundamentals and containerizing AI applications
- Cloud architecture basics across AWS, Azure, and GCP
- Deploying APIs using managed services and container registries
- Real-time monitoring, logging, and observability
- Security in production and CI/CD foundations for AI applications

Module 12: Client Engagement and Consulting

- Client discovery methodologies and stakeholder mapping
- Solution scoping workshops and requirements gathering
- Business case development and ROI articulation
- Technical writing for non-technical audiences
- The PoC to MVP to Production lifecycle
- Change management, adoption strategies, and trusted advisor relationships

Module 13: Demo, Storytelling, and Delivery

- Structuring technical demos for impact
- The narrative arc from problem through insight, solution, and impact
- Handling live demos under uncertainty
- Visualizing AI outputs effectively
- Anticipating and handling tough questions
- Post-demo follow-up and momentum management

What Comes with GSDC Certification

Immersive Learning Approach

Certification & Accreditation

GSDC Studio

GSDC Studio Speakers

Learn By Doing

E-Book Template / Resource

Gamified Assessments

Capstone Project

GSDC AI Utility

GSDC Copilot

Gain a Globally Recognized accepted certification that opens doors to new opportunities. Show employers you're Skilled to meet international standards.



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GSDC Studio connects learners with global forward deployed engineering experts, AI practitioners, and enterprise deployment specialists from diverse industries who share real-world insights, deployment strategies, and emerging best practices. These daily live sessions offer direct exposure to how production AI systems, RAG pipelines, agentic workflows, and client engagement models are being applied to solve real business and technology challenges at the enterprise level.

100+ Live Monthly Sessions from Global Experts

Structured daily learning with four expert-led, 45-minute live sessions that cover core concepts, hands-on practice, and real-time implementation with room for questions. Your access includes daily live sessions from industry experts through GSDC Studio.

Upcoming Sessions

Timezone: Central Time Zone

07:00 pm

How to Succeed in Rolling Out Microsoft 365 Copilot in an Organization

22 seats • Beginner • 45 mins



08:00 pm

Human-Centered AI: Designing Enterprise Copilots That Strengthen Workforce Capability Across Cultures

22 seats • Beginner • 45 mins



09:00 pm

Introduction to Building Agents with Microsoft Foundry

22 seats • Beginner • 45 mins



07:00 pm

Harnessing AI in the Microsoft 365 Ecosystem

22 seats • Beginner • 45 mins



07:00 pm

Managing Sandbox and Production AI Environments for Safe Experimentation and Deployment

22 seats • Beginner • 45 mins



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GSDC Studio brings in global experts who share real-world insights from across industries. Their sessions give learners direct access to the experience and perspective of leaders shaping the future of **Certified Forward Deployed Engineer**



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The Agentic AI Professional Certification combines structured learning with guided, hands-on practice that reflects real-world applications of agentic AI. Participants design, build, and evaluate autonomous AI agents, experiment with reasoning frameworks, prompt strategies, and tool integrations, and assess agent performance directly on the platform, building practical confidence to apply Agentic AI in professional environments without requiring advanced technical infrastructure.

Certified Forward Deployed Engineer

Learn By Doing is a hands-on learning approach where you first learn through videos from global leaders and experts, then build skills by applying what you learned through real tasks and practical problem solving rather than relying only on theory.

Learn By Doing Tracks

1. Foundations of Generative AI in HR & L&D



Level: INTERMEDIATE

Learning outcome:

- ✓ Learn to conduct AI interactions that prioritize safety, transparency, privacy, and ethical responsibility.

Generative AI in a Nutshell

How to Survive and Thrive in the Age of AI

Level: BEGINNER

Learning outcome:

- ✓ Recognize where AI can enhance creativity, productivity, and daily work tasks.
- ✓ Understand the basics of how

What Comes with a GSDC Certification

Immersive Learning Approach

 **Certification & Accreditation**

 **GSDC Studio**

 **GSDC Studio Speakers**

 **Learn By Doing**

 **E-Book Template / Resource**

Gamified Assessments

Capstone Project

GSDC AI Utility

GSDC Copilot

Experts create in-depth study material supported by ready-to-use templates. It helps learners understand faster and apply concepts right away.



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 E-Book Template / Resource

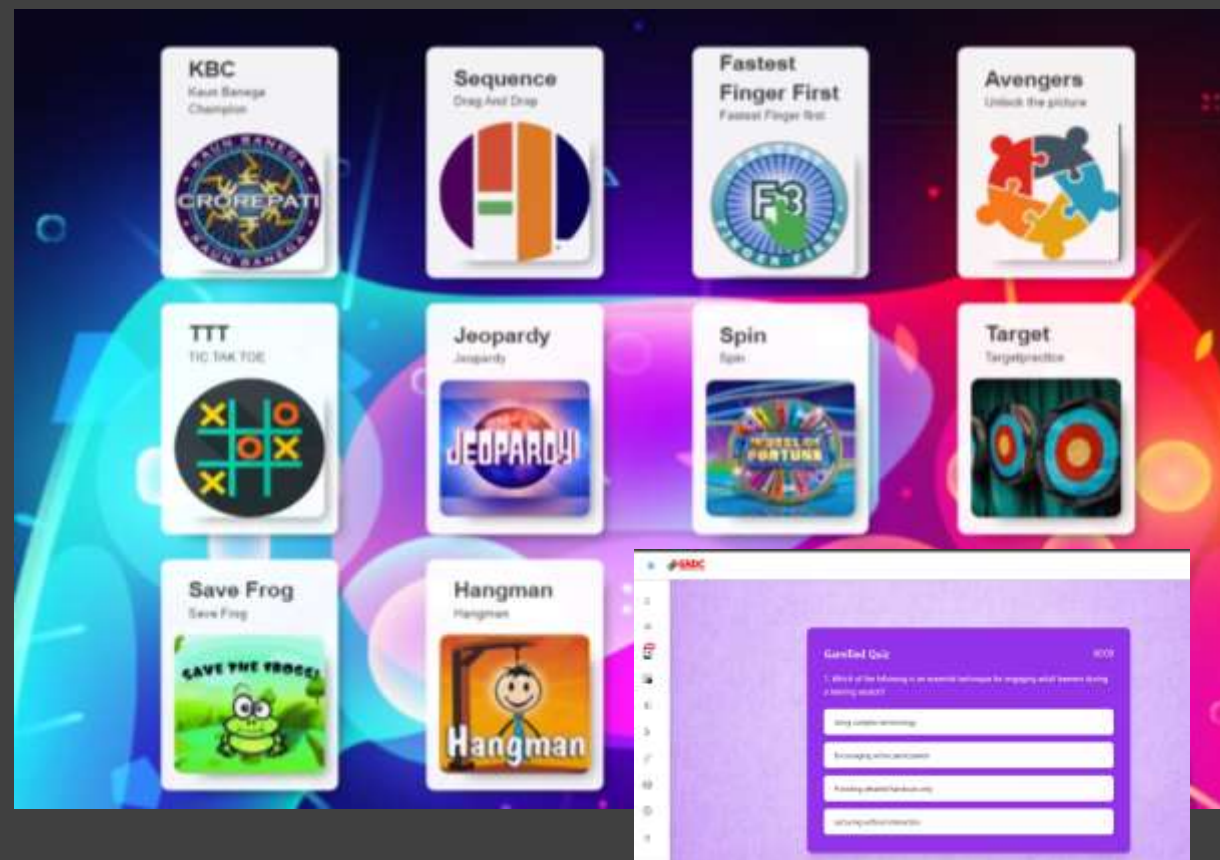
 Gamified Assessments

Capstone Project

GSDC AI Utility

GSDC Copilot

Engage learners with exciting gamified assessments that make testing feel fun. It keeps motivation high and boosts overall participation.



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 **GSDC Studio Speakers**

 **Learn By Doing**

 **E-Book Template / Resource**

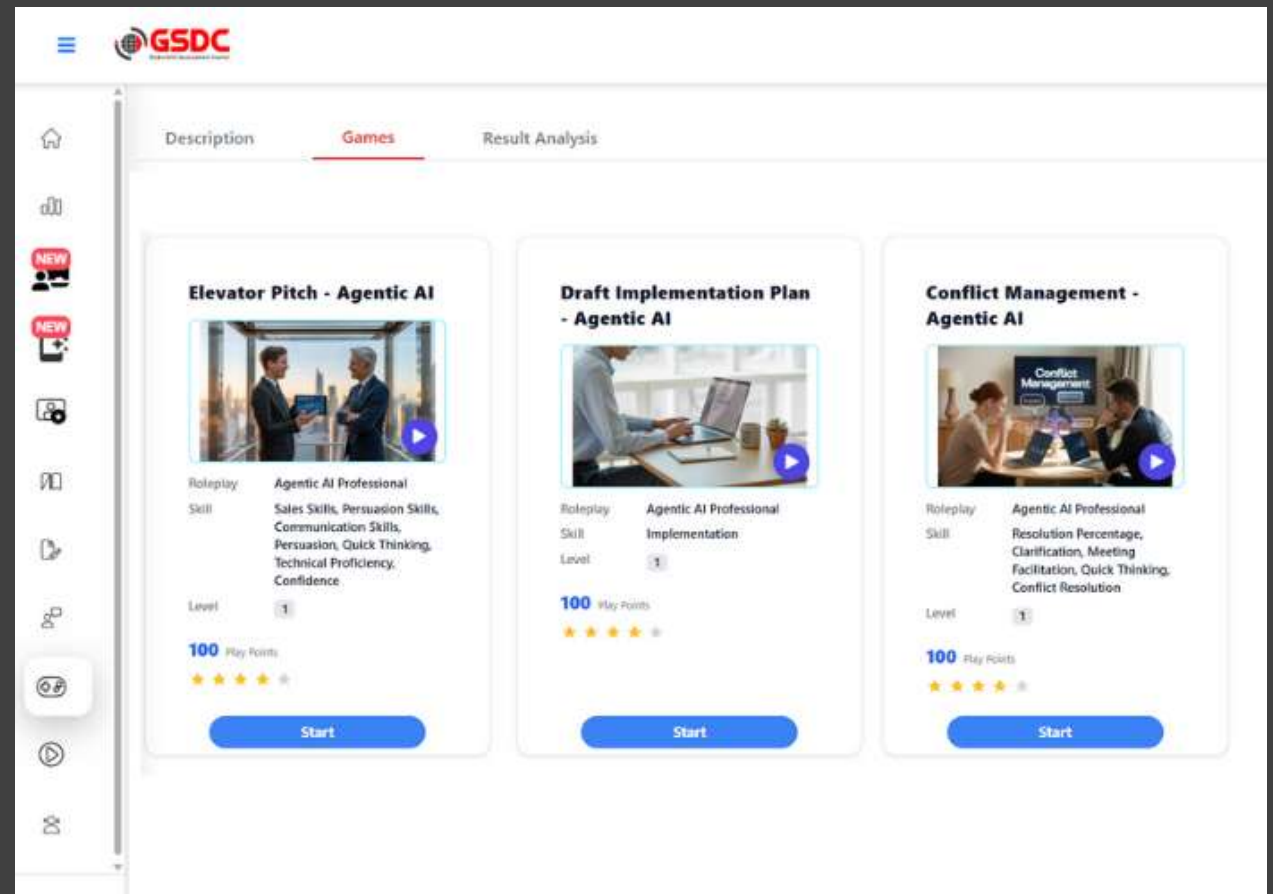
 **Gamified Assessments**

 **Capstone Project**

GSDC AI Utility

GSDC Copilot

Capstone projects powered by AI turn learning into hands-on experience. They confirm that learners can use their skills in real situations.



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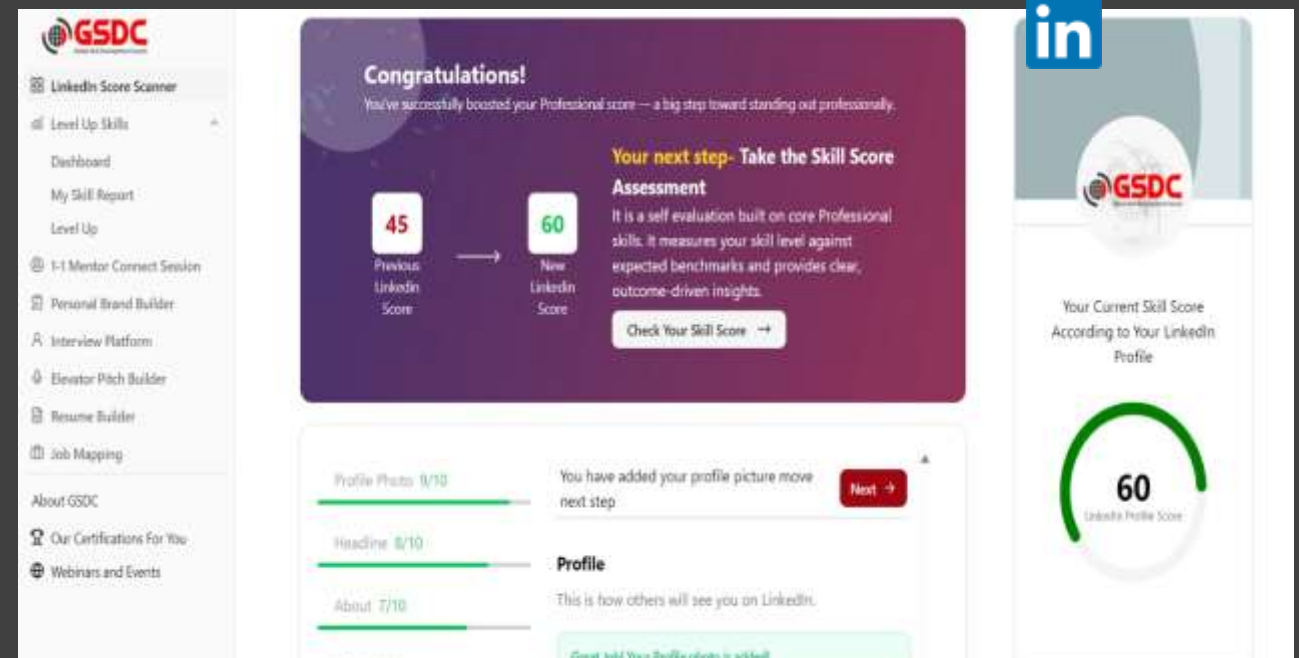
 Gamified Assessments

 Capstone Project

 GSDC AI Utility

GSDC Copilot

GSDC AI Utility helps you strengthen your LinkedIn presence with smarter content suggestions, profile insights and keyword improvements. It supports you in building a sharper personal brand that stands out to employers and peers.



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Capstone Project

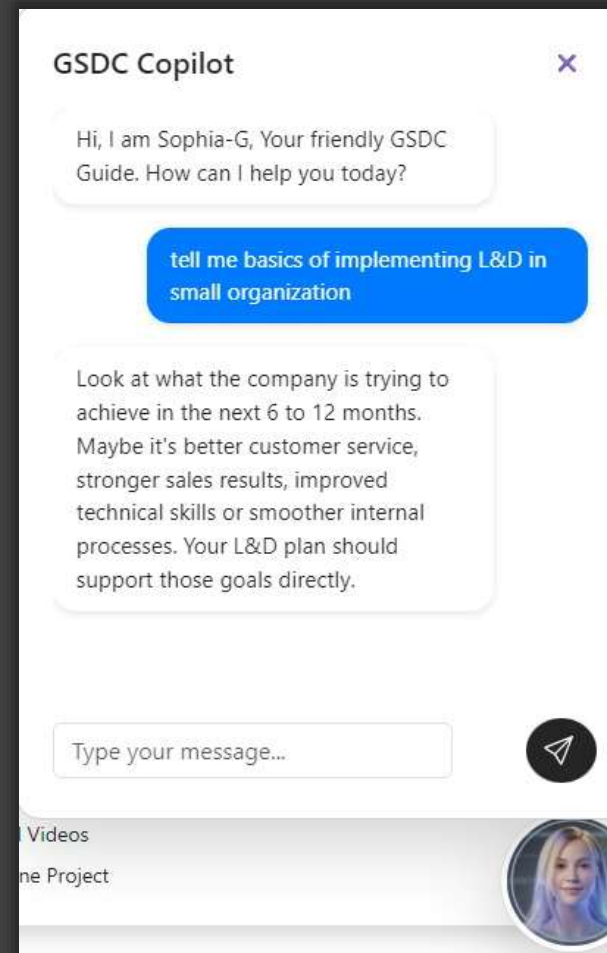


GSDC AI Utility



GSDC Copilot

GSDC Copilot is your personal AI mentor, giving you tailored guidance to build skills and grow professionally. It adapts to your goals with personalized feedback and learning paths.



SUCCESS STORIES

Certified Forward Deployed Engineer



Shikhar Dwivedi  • 3rd+

Data Architect | Generative AI & Cloud Solutions Leader | GCP & Azure...
2w • 

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Excited to share that I have successfully earned the [GSDC - Global Skill Development Council](#) **Certified Generative AI Professional certification!**

This certification has been a great opportunity to deepen my understanding of Generative AI, LLMs, prompt engineering, and practical applications.

The [GSDC - Global Skill Development Council](#) learning portal provided an excellent structured approach to mastering these concepts.

Looking forward to applying these skills to build innovative AI-driven solutions and contribute to impactful projects in the data and AI space! 🚀

[#GenerativeAI](#) [#AI](#) [#Certification](#) [#GSDC](#) [#MachineLearning](#) [#Innovation](#) [#FutureOfWork](#)
[#GlobalSkillDevelopmentCouncil](#)



NikSaiful N.  • 3rd+

Global Digital & Strategic Transformation | ESG & Program Manageme...
2w • 

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I'm happy to share that I've obtained a new certification: Certified Generative AI Professional from [GSDC - Global Skill Development Council](#)!



Alan Lo, PMP®, CERM™  • 3rd+

Strategic Planning | Long Range Plan | Scenarios | Transformation | Net...
1mo • 

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I'm happy to share that I've obtained a new certification: Certified Generative AI Professional from [GSDC - Global Skill Development Council](#)!



Zachery C.  • 3rd+

Assistant Vice President @ ComfortDelGro | Executive MBA
1mo • 

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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.

**Our Excellent**
4.5 RATINGS

**96%**
Of reviewers recommend
Global Skills Development Council

chandrakoran j
2 reviews · IN

★★★★★

I had a experience with GSDC with their...

I had a experience with GSDC with their SRE course and it was very good. The speakers were very knowledgeable and kept it very interactive. Thanks the GSDC team for this!

Date of experience: April 13, 2023

Useful · Share

Tavin Dhanvi
1 review · AE

★★★★★

The learning portal was so seamless

The learning portal was so seamless, and user friendly. The course are so detailed, easy to understand, great lecturers. Safe to say the best learning platform I've used so far. I would recommend learning from GSDC to anyone. You sure will get a value for your money.

Date of experience: July 08, 2023

Useful · Share

Majid
1 review · IN

★★★★★

GSDC has been doing a great job in making learners gain knowledge!

GSDC has been doing a great job in making the learners find right opportunities to gain knowledge for business! These two days were filled with knowledge and insight!

Date of experience: September 25, 2023

Useful · Share

Amani
1 review · AE

★★★★★

Certified Learning & Development Professional CLDP

I took the certification course "Certified Learning & Development Professional CLDP" approved by the GSDC - Global Skill Development Council. So grateful to the professional team at the GSDC for this enlightening opportunity; namely, Ruguzeno, for her dedication, responsiveness, and constant support throughout this learning journey. And very special thanks to the amazing trainer and coach Deepak Sharma for the great weekly live sessions which I believe are the highlight of this certification programme. His knowledge, expertise, and outstanding skills have made the course very insightful, engaging, and enjoyable!

Date of experience: July 21, 2023

Global Impact of GSDC- Certified Forward Deployed Engineer

GSDC has certified more than One lakh professionals across a wide range of industries and roles.

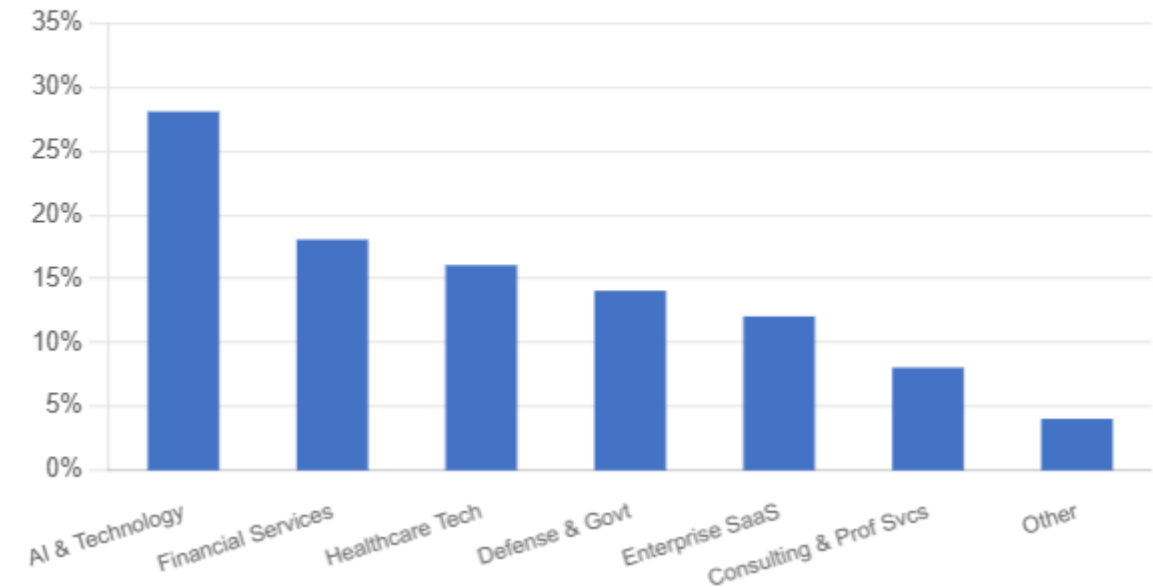
Role vs Certified Professionals for Certified Forward Deployed Engineer



■ Software Engineer
 ■ Solutions Engineer
 ■ FDE / AI Deployment
 ■ ML Engineer
 ■ Technical Consultant
 ■ Other Technical Roles

Certification is most prevalent among Software Engineers and Solutions Engineers, indicating stronger adoption by professionals responsible for enterprise client delivery, AI deployment, and technical implementation.

Industry-wise Distribution of Certified Professionals for Forward Deployed Engineer



Adoption is strongest in AI and Technology, Financial Services, and Healthcare Technology, with balanced participation across all major global industries building forward deployed engineering teams.

Our Alumni works @



Enrollment

Single Access

Unlock full access to all comprehensive resources and earn Global certification

- ✓ Self-Paced Expert-Led Videos
- ✓ Get 1 Certification (Forward Deployed Engineer)
- ✓ + **FREE Certified Generative AI Professional**
- ✓ 3 SME Connect (1-on-1)
- ✓ Daily Live Sessions from Global Experts
- ✓ Certification Exam + 1 Free Retake & Practice
- ✓ Capstone Project + Job Support Program
- ✓ GSDC Membership worth \$109 free

ENROLL NOW



Unlock Workforce Potential
Through Skill Validation!

Register Now

100% Money Back Guarantee!

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

Thank You



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