# Certification In Generative AI In Software Development

**Gain global recognition in Generative AI for Software Development**

✓ 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:          Proud Member of :

**TRUST SCORE**

REVIEWS.io
GLOBAL SKILL DEVELOPMENT COUNCIL REVIEWS
★★★★★
4.8/5 RATING
96% Of reviewers recommend Global Skills Development Council

Trustpilot
★★★★
**Our Excellent**
**4.5 RATINGS**

ABICB
Accreditation Board for International Certification Bodies

Approved American National Standard
ANSI

**FEATURED IN :** people managing people | Forbes | TechTarget | indeed | CareerSidekick | LeanIX | reworked | CSO | viesearch | Authentic

# Overview

- Certification in Generative AI in Software Development by GSDC is designed to equip professionals with industry-relevant knowledge and practical skills to build AI-powered software solutions.

- The program combines foundational concepts with real-world applications, enabling learners to effectively integrate Generative AI into modern development workflows.

- Participants benefit from GSDC's Learn-by-Doing approach, hands-on exposure, and access to structured learning resources aligned with global standards.

- This globally recognized GSDC certification validates your expertise and prepares you for future-ready roles in Generative AI-driven software development.

## GSDC CERTIFICATION IN GENERATIVE AI IN SOFTWARE DEVELOPMENT 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

# Certification In Generative AI In Software Development Program Curriculum

## 1. Introduction Of Generative AI

- Exploring the Fundamentals of Generative AI
- Significance in Software Development
- A Historical Perspective
- Key Terminology and Concepts

## 2. Probability and Information Theory

- Delving into Probability Distributions
- Grasping the Essentials of Information Theory
- Understanding Kullback-Leibler Divergence

## 3. Generative Models

- Unpacking Generative Model Basics
- Navigating the World of Autoencoders
- Diving into Variational Autoencoders (VAEs)
- Exploring Generative Adversarial Networks (GANs)
- Exploring Diffusion Models (e.g., Stable Diffusion) as an emerging generative model

## 4. Deep Learning Essentials

- Leveraging generative AI for fraud detection and prevention
- The Role of Activation Functions
- Differentiating Loss Functions
- Strategies for Regularization

## 5. Training Generative Models

- The Art of Data Preprocessing
- Designing an Effective Training Loop
- Specialized Loss Functions for Generative Models
- Evaluating the Performance of Generative Models

## 6. Variational Autoencoders (VAEs)

- Unveiling VAE Architecture
- Grasping the Variational Inference Framework
- Hands-On VAE Implementation
- Realizing VAE Applications in Software Development

## 7. Generative Adversarial Networks (GANs)

- Exploring the Inner Workings of GAN Architecture
- Mastering the Training Process for GANs
- Harnessing the Power of Conditional GANs
- Utilizing GANs for Software Development Applications
- Exploring Diffusion Models (e.g., Stable Diffusion) as an emerging generative model

## 8. Sequence Generation Models

- Introducing Sequence Models
- Navigating Recurrent Neural Networks (RNNs)
- Unlocking Long Short-Term Memory (LSTM) Networks
- Examining Gated Recurrent Units (GRUs)
- Exploring Transformer-based Sequence-to-Sequence Models

## 9 Transformer Models

- Understanding the Transformer Architecture
- Exploring Self-Attention Mechanisms
- Implementing Transformers for Sequence Tasks
- Real-World Applications of Transformer Models
- Deep Dive into GPT-3/4/5, BERT, and T5 (e.g., large-scale models for NLP tasks)

## 10 Ethical Considerations

- Addressing Bias and Fairness in Generative AI
- Tackling Privacy Concerns
- Frameworks for Ethical AI
- Guidelines for Ethical AI Development
- Introducing AI Governance Models and Regulations (e.g., EU AI Act, GDPR, Model Cards)

## 11 Use Cases with Generative AI Tools & Hands-on Demos :

- Learn to create AI Enhanced Power Point Presentations, Images, Chart analysis for all business purpose- From Basics to Mastery
- Learn to leverage AI for automated data insights, simplifying the journey from data collection to impactful business strategies
- Learn to harness the power of AI for document summarization, distilling vast information into concise summaries effortlessly.
- Learn to build AI-powered personalized recommendation systems with your data on PDF/Word documents using AI assistants
- Content Generation (Audio, Video, Images) with Prompt Engineering.

## 12 Personalized 1-1 & Daily Group Live session

- Personalized 1-on-1 Trainer/SME Connect Session - Receive a 1-on-1 connect session from Trainer/SME to resolve all types of queries.
- Daily Live Session with Lifelong Learning - Participate in a daily live session with industry experts where professionals from around the world connect with SMEs and have a brainstorming session.

## 13 Agentic AI: The Next Evolution of Generative AI

- Unpacking Agentic AI
- Agentic vs Generative AI: What Makes Them Distinct?
- How Agentic AI Operates in Practice
- Autonomous DevOps Agents
- Real-World Applications: Task Automation, Decision Making, and Complex Workflow Automation

# What Comes with GSDC Certification

**Immersive Learning Approach**

**Certification & Accreditation**

GSDC Studio

GSDC Studio Speakers
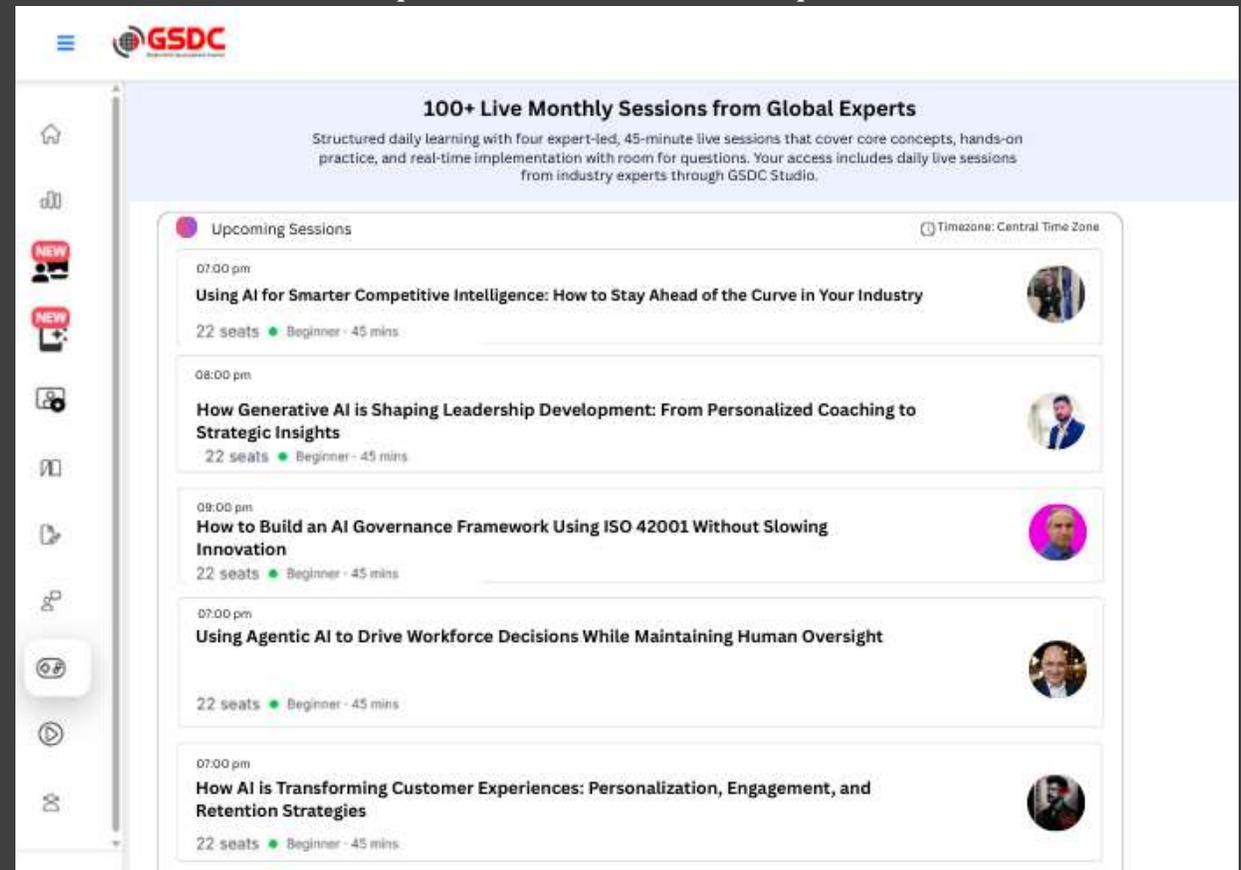
Learn By Doing

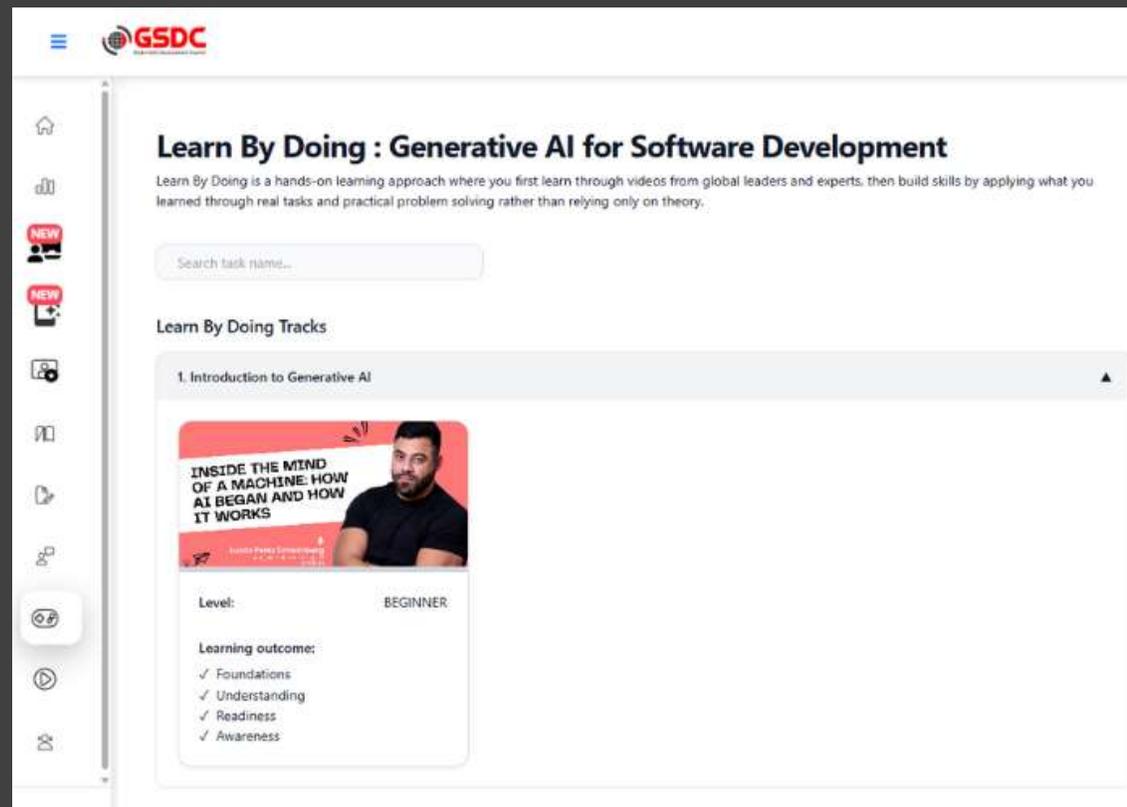E-Book Template / Resource

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.

# 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

GSDC Studio brings global Generative AI and software development experts who share real-world insights across industries. These live sessions give learners direct access to the experience, best practices, and perspectives of professionals driving innovation in AI-powered software development.

# 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

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 Certification In Generative AI In Software Development

# 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

The GSDC Certification in Generative AI in Software Development learning path is paired with guided, hands-on practice that mirrors real-world software development use cases. Participants design, build, and integrate generative AI solutions, experiment with AI models, test implementation strategies, and evaluate outputs directly on the platform, building the confidence to apply Generative AI effectively within software development workflows without requiring advanced technical tools.

# What Comes with a GSDC Certification

GSDC

**Immersive Learning Approach**

- Certification & Accreditation
- GSDC Studio
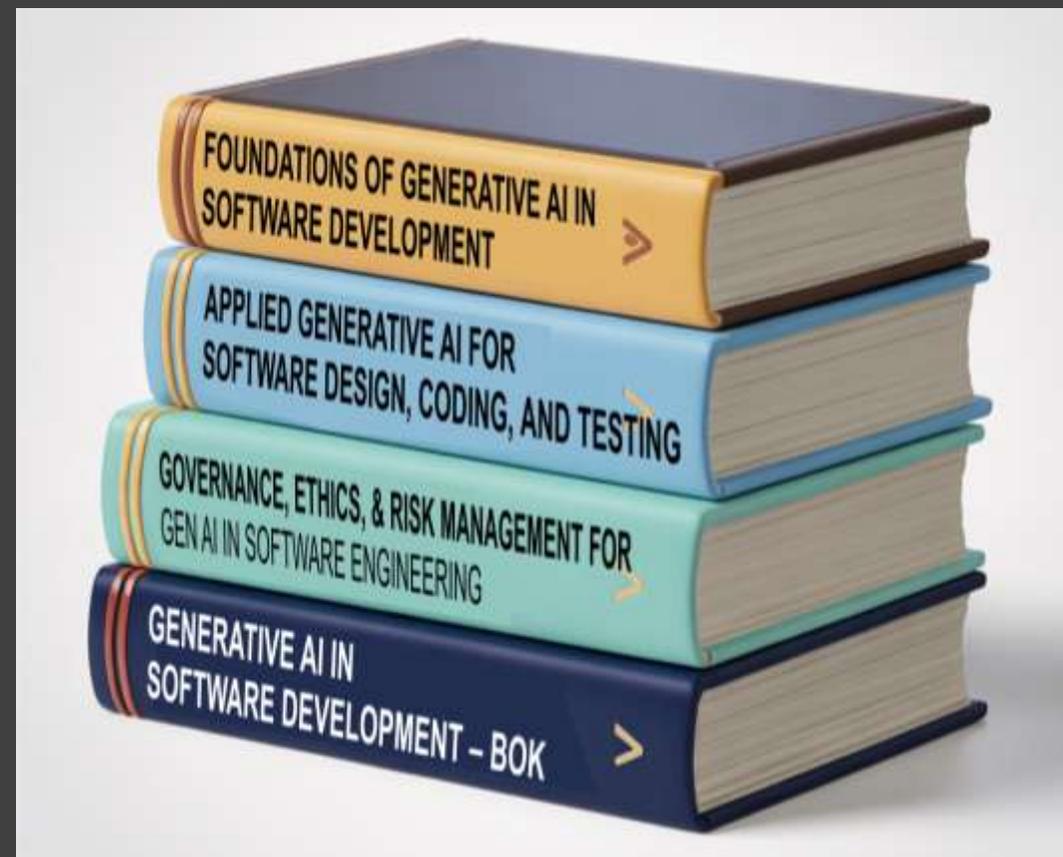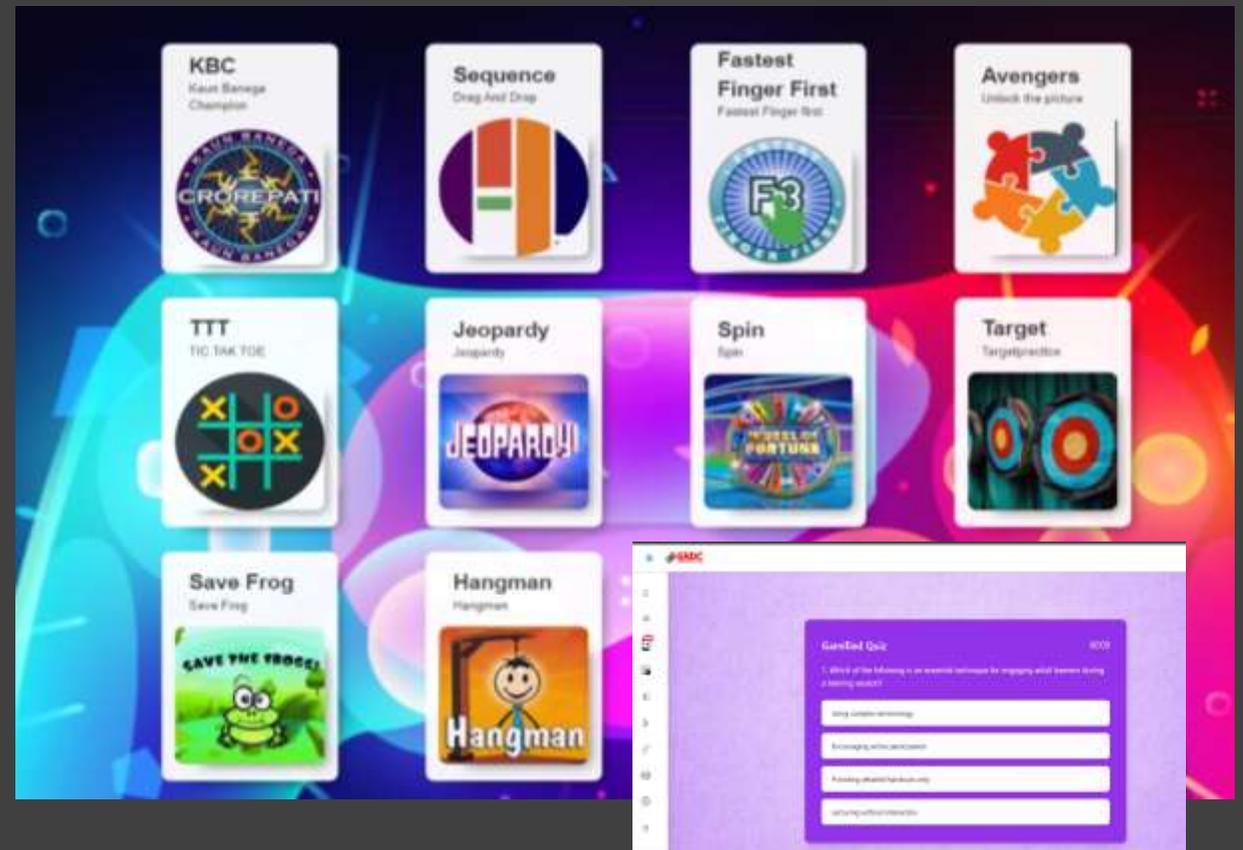- GSDC Studio Speakers
- Learn By Doing
- **E-Book Template / Resource**
- Gamified Assessments
- Capstone Project
- GSDC AI Utility
- GSDC Copilot

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

# 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

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

# What Comes with a GSDC Certification

**Immersive Learning Approach**

- Certification & Accreditation
- GSDC Studio
- GSDC Studio Speakers
- Learn By Doing
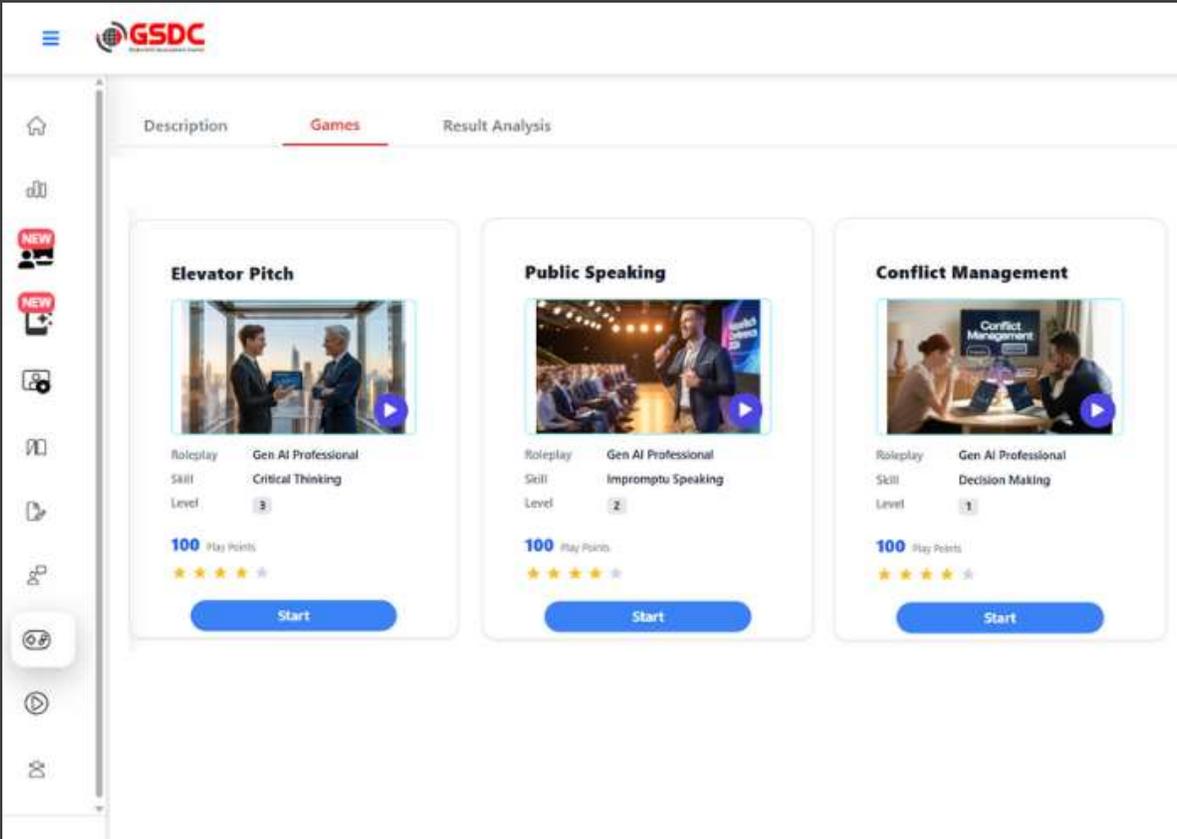- E-Book Template / Resource
- Gamified Assessments
- **Capstone Project**
- GSDC AI Utility
- GSDC Copilot

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

# What Comes with a GSDC Certification

**Immersive Learning Approach**

- Certification & Accreditation
- GSDC Studio
- GSDC Studio Speakers
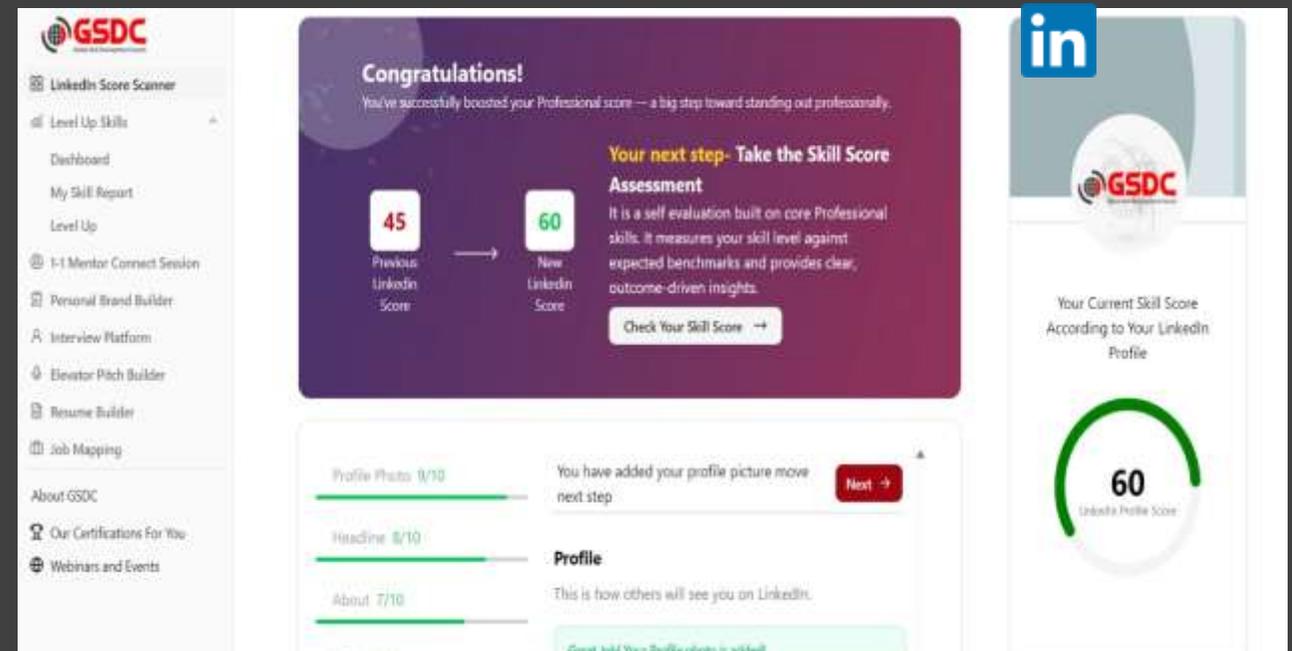- Learn By Doing
- E-Book Template / Resource
- Gamified Assessments
- Capstone Project
- GSDC AI Utility
- GSDC Copilot

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.

# What Comes with a GSDC Certification

**Immersive Learning Approach**

- Certification & Accreditation
- GSDC Studio
- GSDC Studio Speakers
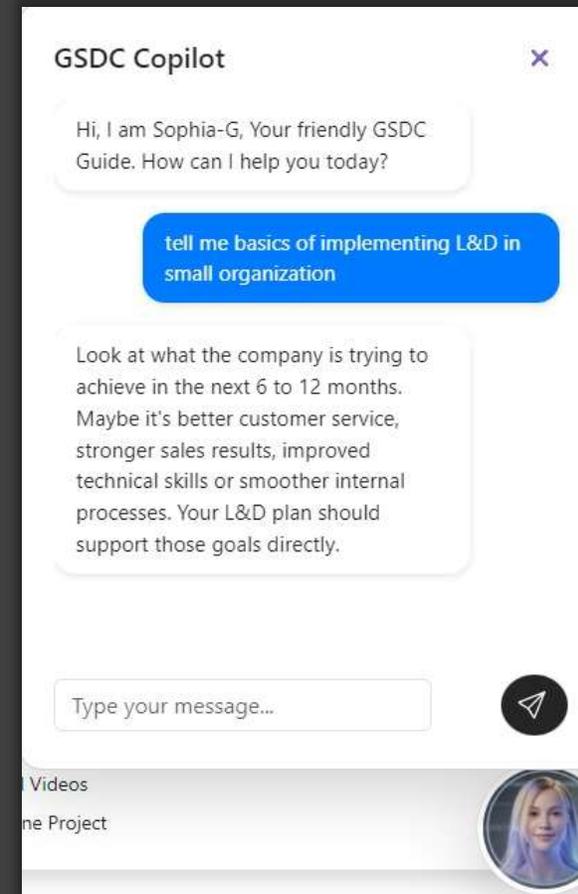- Learn By Doing
- E-Book Template / Resource
- Gamified Assessments
- Capstone Project
- GSDC AI Utility
- GSDC Copilot

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.



14

# SUCCESS STORIES

## Certification In Generative AI In Software Development

**Shikhar Dwivedi** ✓ · 3rd+
Data Architect | Generative AI & Cloud Solutions Leader | GCP & Azure...
2w · 🌐

+ Follow  ···

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 · 🌐

+ Follow  ···

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 · 🌐

+ Follow  ···

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 · 🌐

+ Follow  ···

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

15

# 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.

# Global Impact of - Certification In Generative AI In Software Development

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

### ROLE VS CERTIFIED PROFESSIONALS FOR GENERATIVE AI FOR SOFTWARE DEVELOPMENT
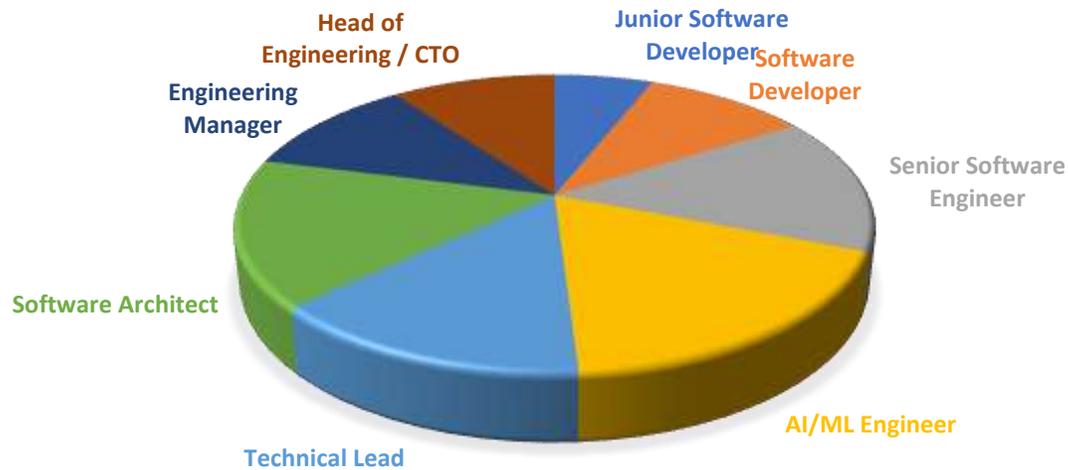


Certification is concentrated among senior engineering, architecture, and leadership roles, indicating strong adoption by professionals responsible for designing, implementing, and governing generative AI–driven software solutions.

### Industry-wise Distribution of Certified Professionals for Generative AI for Software Development
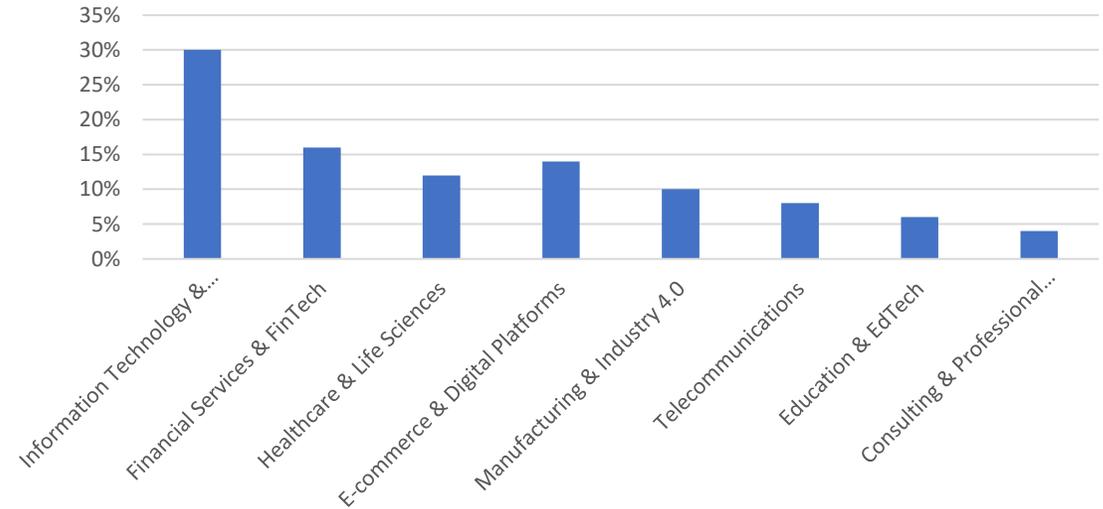


Adoption is strongest in IT & Software Services, Financial Services, and Digital Platforms, with well-balanced participation across industries applying generative AI to improve development efficiency and innovation.

# Our Alumni works @

**TECHNOLOGY**

**MANUFACTURING**

**AUTOMOBILE**

**HEALTHCARE**

**ENERGY & POWER**

**BFSI**

Capgemini · Microsoft · Google · IBM · TCS TATA CONSULTANCY SERVICES · Infosys

SIEMENS · GE · BOSCH · MITSUBISHI · Honeywell · 3M

TOYOTA · BMW · Mercedes-Benz · TESLA · HONDA · Ford · HYUNDAI

Johnson & Johnson · Pfizer · Medtronic · Abbott · Roche · GE HealthCare

Shell · bp · Schneider Electric · SIEMENS energy · ExxonMobil · Chevron

mastercard · BANK OF AMERICA · VISA · J.P.Morgan · citi · HSBC · AMERICAN EXPRESS · PayPal

18

# Enrollment-Options

## Single Access

**Unlock full access to all comprehensive resources and earn Global certification**

- ✓ Expert Led Videos - 10 hrs+ of learning
- ✓ Get 1 Certification - Just $100
- ✓ Save up to 50% with our limited-time offer!
- ✓ 3 SME Connect (1-on-1)
- ✓ Access to GSDC AI Studio
- ✓ Weekly Group SME Connect Session
- ✓ Certification Exam + 1 Free Retake & Practice
- ✓ Capstone Project + AI Interview & Tools
- ✓ GSDC Membership worth $109 free

**ENROLL NOW**

## Bundle Access

**Get 3 certifications at a discounted price for maximum value**

- ✓ Expert Led Videos - 30 hrs+ of learning
- ✓ Get 3 Certifications - **Just $67** each
- ✓ **Save up to 60%** with this special bundle offer!
- ✓ **Unlimited** SME Connect (1-on-1)
- ✓ Access to GSDC AI Studio
- ✓ Weekly Group SME Connect Session
- ✓ Certification Exam + 2 Free Retake & Practice
- ✓ Capstone Project + AI Interview & Tools
- ✓ GSDC Membership worth $109 free

**ENROLL NOW**

# Recommended for you

**Make Your Own Certified Generative AI In Software Development Bundle**

**Enrich your skills and advance your career with our exclusive bundle.
Select any 3 from below for your bundle.**

✓ Certification In Generative AI In HR & L&D

✓ Generative AI In Manufacturing Certification

✓ Certified AI Tool Expert

✓ Certification In Generative AI In Risk And Compliance

✓ Certification In Generative AI In Project Management

✓ Generative AI In Healthcare Certification

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

**BUY ANY**

# 3

**CERTIFICATIONS**

**Claim Certified Generative AI in
Software Development Bundle
Here**

***Unlock Workforce Potential Through Skill Validation!***

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

**Register Now**

- **100% Money Back Guarantee!**

- No Questions Asked*

- 100% Amount Refund*

- No Processing Fees*

# Thank You

**Follow Us**