

Generative AI In Healthcare Certification

Global Certification Program

- ✓ Globally Recognized Certification
- ✓ Access to exclusive resources, boot camps, and summits
- ✓ AI based Roleplay & Simulations
- ✓ Two Exam Attempts



An Overview

what you can expect from this program

The Generative AI in Healthcare Certification is designed to equip professionals with practical knowledge of how AI is transforming the medical field. This program covers core concepts of generative AI, its applications in diagnostics, drug discovery, medical imaging, personalized treatment, and patient care. Participants will explore ethical considerations, data security, and regulatory frameworks to ensure safe AI adoption in healthcare.

With hands-on learning and real-world case studies, the certification prepares learners to leverage AI tools for innovation, efficiency, and improved outcomes. Ideal for healthcare professionals, researchers, and tech enthusiasts aiming to lead in AI-driven healthcare.

	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 150+ programs, including L&D, HR, SRE, DevOps, Agile, Six Sigma, and Cyber Security, we've certified over 250,000 professionals.

Partnered with 100+ global training organizations, GSDC is your gateway to unlocking endless opportunities.

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



Introduction

Generative AI In Healthcare Certification

The GSDC Generative AI in Healthcare Certification validates your expertise in applying Generative AI in healthcare to solve real-world problems and drive innovation. With the rapid adoption of Gen AI in Healthcare, professionals who understand this technology are uniquely positioned to improve patient outcomes, optimize clinical workflows, and support data-driven decision making.

This AI in healthcare certificate equips you with the knowledge to navigate the evolving healthcare confidently. As part of the certification, you will also gain access to ready-to-implement hands-on resources, templates, and tools that accelerate your learning and practical application. By earning this AI in healthcare certificate, you demonstrate your proficiency in Gen AI in Healthcare, enhancing your career opportunities and positioning yourself at the forefront of one of the most transformative technologies in modern medicine.



Learning Objective

- ❑ Validate expertise in Generative AI in healthcare applications
- ❑ Learn from practical use case studies in healthcare
- ❑ Demonstrate knowledge of Gen AI in Healthcare workflows
- ❑ Apply AI in healthcare certificate concepts to real scenarios
- ❑ Access and utilize ready-to-implement templates for healthcare projects
- ❑ Showcase ability to optimize clinical decision-making using AI
- ❑ Understand ethical considerations and compliance in healthcare AI
- ❑ Strengthen career with recognized AI in healthcare credentials

OBJECTIVES OF GENERATIVE AI IN HEALTHCARE

Curriculum

Module 1: Introduction to Generative AI in Healthcare

- What is Generative AI? Concepts and principles explained in a healthcare context
- Key differences between traditional AI and generative AI
- Application in Personalized medicine
- Application using Predictive analytics for disease prevention
- Application in Drug discovery and development
- Application in Virtual patient simulations

Module 2: Deep Generative Models—Healthcare Perspective

- High-level overview of deep generative models (VAEs, GANs, diffusion models)
 - Focus on **what they do** rather than coding how they work
 - Use Case: GANs in medical imaging (denoising, image synthesis)
 - Use Case: VAEs for data augmentation in small datasets
 - Diffusion models for medical research (brief overview)
- Use Case:** Match the right model type to clinical use cases

Module 3: Clinical Applications of Generative AI

- Personalized treatment recommendations (examples from oncology, pharmacology)
 - Disease prediction and prevention with AI-enhanced analytics
 - Medical imaging analysis and augmentation
 - Drug discovery and molecule design with AI
 - Case study: Early detection of diseases using AI-generated data
 - Case study: Pharma applications in drug pipeline acceleration
- Exercise:** Interpreting AI outputs for a diagnostic support scenario

Module 4: Generative AI for Medical Image Analysis

- Why medical image analysis matters in clinical settings
 - AI's role in improving diagnostic accuracy and workflow efficiency
 - How synthetic medical images are generated and applied
- Use Cases:** Radiology, pathology, CT/MRI/X-ray support

Module 5: Patient Data Privacy and Ethical Considerations

- Privacy concerns in healthcare data (anonymization, encryption, HIPAA/GDPR basics)
 - Ethical issues: bias, fairness, transparency, and accountability
 - Risks of incorrect or misleading AI-generated outputs
 - Case Study:** Consequences of biased AI in patient outcomes
- Use Case:** Spotting ethical red flags in AI use cases

Module 6: Clinical Validation and Workflow Integration

- Why validation and clinical trials are critical for AI adoption
- Evaluating safety, accuracy, and generalizability of AI solutions
- Integrating AI into hospital/clinic workflows
- Red flags: situations where AI could mislead clinicians

Module 7: Advanced but Accessible Topics

- Transfer learning for healthcare: reusing existing AI to save time and resources
- Interpretability and explainability in clinical AI
- Use Case:** Using simple explainability tools (e.g., SHAP visuals) to interpret AI model outputs
- Brief introduction to adversarial risks (kept high-level, no coding)

Module 8: Deploying Generative AI in Healthcare Practice

- Practical challenges of deploying AI in hospitals and clinics
 - Scalability, reliability, and integration with electronic health records
 - Regulatory requirements (FDA approval process, CE marking, HIPAA/GDPR compliance)
 - Continuous monitoring, retraining, and safe use in clinical environments
- Case Study:** Example of a hospital deploying AI for imaging support

Module 9: Prompt Engineering for Healthcare Professionals

- Introduction to prompt engineering (explained simply)
 - How prompts improve AI-generated responses in clinical contexts
 - Practical Applications in** summarizing clinical notes
 - Generating patient-friendly explanations using Generative AI.
 - How Generative AI in supporting virtual consultations
 - Use Case:** Writing effective prompts for medical chatbots or documentation support
- Hands-On :** Building better AI queries to get safer, more reliable medical outputs

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.



Global Skill Development Council - GSDC
 Reviews 178 • Excellent
 4.7 ⓘ
 VERIFIED COMPANY



chandrakaran j
 2 reviews • IN
 Jul 18, 2023
 ★★★★★
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



Tosin Olaniji
 1 review • NG
 Jul 11, 2023
 ★★★★★
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



Amani
 1 review • AE
 Aug 15, 2023
 ★★★★★
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



Majid
 1 review • IN
 Sep 25, 2023
 ★★★★★
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 insights!
 Date of experience: September 25, 2023



Expert-Led Generative AI: Learn, Connect, Grow



❑ **Expert-Led Sessions:**

Engage in weekly 2-hour live sessions with industry expert, gaining cutting-edge insights and practical knowledge in Generative AI



❑ **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 Generative AI In Healthcare with E-learning

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

- ✓ Access expert videos and weekly 2-hour live sessions
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Globally Recognized 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 weekly 2-hour live sessions
- ✓ Two Exam Attempts
- ✓ Globally Recognized Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-1 Certified Generative AI In Healthcare with E-Learning

Certified Generative AI In Healthcare 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 Generative AI In Healthcare Bundle

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

- Certification In Generative AI In Risk And Compliance
- Certification In Generative AI In Project Management
- Certified Prompt Engineering Certification
- Agentic AI Professional Certification
- Generative AI Foundation Certification
- Agentic AI Foundation Certification
- Agentic AI Expert Certification

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

BUY ANY

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CERTIFICATIONS

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Unlock Workforce Potential Through Skill Validation!

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

Register Now



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GUARANTEE

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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