

Certification in Generative AI In Software Development

Global Certification Program

- ✓ Globally lifetime Valid Certification
- ✓ Lifetime Valid Certification
- ✓ AI based Roleplay & Simulations
- ✓ Two Exam Attempts



An Overview

what you can expect from this program

Accelerate Innovation and Optimize Software Development with Gen AI Empower your software development teams by integrating generative AI into their workflows, enhancing their capabilities, and driving innovation.

As a Strategic Gen AI Specialist in Software Development, you'll gain the expertise to develop and implement AI-driven strategies that streamline development processes, improve code quality, and foster a culture of continuous improvement. This proactive approach addresses critical industry challenges such as automating repetitive tasks, enhancing software testing, accelerating product development cycles, and optimizing resource allocation.

This comprehensive online certification provides a step-by-step guide to integrating generative AI into your software development practices, ensuring a future-ready workforce equipped with cutting-edge skills. All resources within this certification, including materials and tools, are provided as value-added (complimentary) components.

	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

Certification in Generative AI In Software Development



GSDC's Generative AI IN Software Development certification designed for professionals who want to pursue their careers in Machine Learning and Artificial Intelligence. Through certification, they will have a great platform to enhance their skills and capabilities of core components of Generative AI.

Through this certification, Professionals will get to know about core topics such as code generation, natural language interfaces, bug identification and AI ethics specific to software development contexts.

Professionals who earn this certification demonstrate their ability to leverage generative AI tools for code automation, documentation enhancement, and software optimization.

In the marketplace, the demand for AI-Powered Software Development is continuing to grow, and here, generative AI software development certification plays an essential role in shaping the future of the industry.

Learning Objective

- Master AI for software, unlocking career opportunities
- Explore core Generative AI concepts, like code generation and AI ethics
- Apply AI for code automation and software enhancement
- Boost your profile with a recognized AI certification
- Join the booming AI-Powered Software Development market as a top contende

OBJECTIVES OF GENERATIVE AI IN SOFTWARE DEVELOPMENT

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)

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

8. Sequence Generation Models

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

9. Transformer Models

- Understanding the Transformer Architecture
- Exploring Self-Attention Mechanisms
- Implementing Transformers for Sequence Tasks
- Real-World Applications of Transformer Models

10. Ethical Considerations

- Addressing Bias and Fairness in Generative AI
- Tackling Privacy Concerns
- Frameworks for Ethical AI
- Guidelines for Ethical AI Development

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 & Group connect 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.
- **Weekly Group Mentor Connect Session with Lifelong Learning** - Participate in a weekly group session with an industry experts where all types of professionals around the world connect with SME and have a brainstorming session.

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

👍 Useful 🗨️ Share



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

👍 Useful 🗨️ Share



MA 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

👍 Useful 🗨️ Share



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



Expert-Led Generative AI: Learn, Connect, Grow



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

Certification in Generative AI In Software Development With E-Learning

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

- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid 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 weekend 2-hour live sessions every Saturday with lifetime access
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-1 Certification in Generative AI In Software Development with E-Learning

Certification In Generative AI In Software Development 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 Certification in Generative AI In Software Development Bundle

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

- Certified Generative AI Professional
- Certification In Generative AI In Software Development
- Certification In Generative AI In Risk And Compliance
- Certification In Generative AI In Project Management
- Certification In Generative AI In Cybersecurity

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

BUY ANY

3

CERTIFICATIONS

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Unlock Workforce Potential Through Skill Validation!

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

Register Now



100%
MONEY BACK

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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