Certified 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% day 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 100+ programs, including L&D, HR, SRE, DevOps, Agile, Six Sigma, and Cyber Security, we've certified over 50,000 professionals.

Partnered with 50+ 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 for 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.

Learning Objective

- The certification helps professionals with AI skills for code automation.
- It enables professionals to use generative AI in Natural Language Interfaces and Documentation.
- This certification improves the understanding of ethical considerations in Generative AI for Software Development.
- It supports professionals to boost their software development efficiency and quality with the help of Generative AI techniques.
- It fosters innovation in software development with the help of integration of Generative AI..
- It validates expertise in harnessing generative AI for software development processes.
- It offers hands-on experience in using Generative AI models for code generation and augmentation

OBJECTIVES OF GENERATIVE AI SOFTWARE DEVELOPMENT CERTIFICATE

Curriculum

1.Introduction to 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:

- Deep Dive into the Transformer Architecture
- Embracing the Attention Mechanism
- Unleashing BERT and Its Variants
- Applying Transformers in Software Development Scenarios

10.Ethical Considerations:

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

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.

Downloadable Resources

Get access to templates and reference documents which will help you to do your day to day tasks easier.

Access to Global Conferences

Be a part of GSDC thriving learning community around the world, sharing knowledge from across the world.

Certificate Upgrades

Get complimentary certificate upgrades to keep up with the latest updates in processes and frameworks.

Speaker invites @ GSDC Webinar Series

Share your knowledge with world at GSDC global webinar series, share your expertise and learn from others.

Newsletters, blogs with industry insights

Get newsletters, announcements and articles curated by experts direct to your inbox.

AI Based Role Play

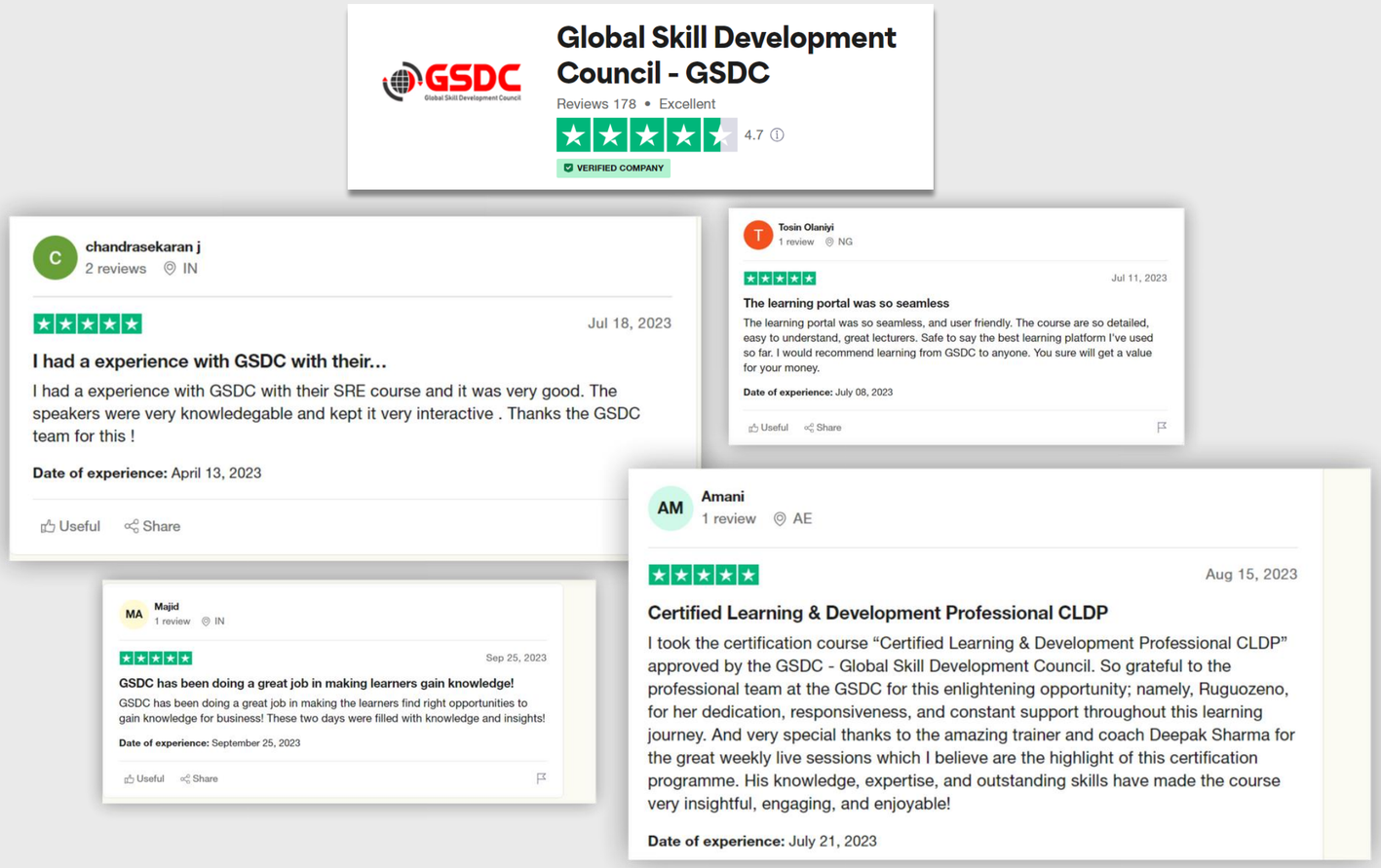
Learn to implement applicability of knowledge with real life simulation based games.

What You Get In this Certification Program?

- Weekend live mentoring sessions with experienced professionals
- 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.



Make Your Own Gen AI Certification Bundle

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

- Generative AI in Software Development
- Generative AI in Cybersecurity
- Generative AI in Business
- Generative AI in Risk & Compliance
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Expand your expertise, design impactful learning experiences, and master Gen AI skills.

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Certified Generative AI in Software Development

About Exam:

- There will be a Multiple Choice Questions exam of 40 marks.
- You need to acquire 26+ marks to clear the exam.
- If you fail, you can retake the exam after one day.
- In case the participant does not score passing percentage then they will be granted a 2nd attempt at no additional cost. Re-examination can be taken up to 30 days from the date of the 1st exam attempt.

Sample Certificate

Our Alumni Work at

Infosys tcs CGI amdocs accenture kyndryl Microsoft

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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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