

# Certified in Data Science Professional

## 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

The Certification in Data Science Professional validates expertise in data analysis, machine learning, and statistical modeling.

It equips professionals with essential skills in data wrangling, visualization, predictive analytics, and AI-driven decision-making. The certification covers Python, R, SQL, and big data technologies, along with real-world applications in various industries.

Ideal for data analysts, AI engineers, and business intelligence professionals, it enhances career prospects in data science, analytics, and AI roles.

Earning this certification demonstrates proficiency in handling complex datasets, building predictive models, and leveraging data-driven insights to solve business challenges, making it a valuable credential for career growth.

	<b>Type</b>	Online self-paced learning, Mocks
	<b>Language</b>	English (including subtitles)
	<b>Access</b>	12 months
	<b>AI based Role play</b>	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

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## 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

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## Certified in Data Science Professional

The GSDC Certified Data Science Professional certification is a well-known and highly desired certification for data science professionals.

It proves that individuals have the necessary skills and expertise in data science. Data Science certification is for people who already know a lot about data science and want to show they can apply their knowledge in real-world situations.

Getting certified by GSDC shows that a person is committed to keeping up with the latest developments in the field and can handle difficult data challenges. It also helps them stand out and advance their career in the fast-changing world of data science.



# Learning Objective

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- Showcase practical application of data science skills.
- Enhance credibility as a data science professional.
- Demonstrate ability to analyze and interpret data.
- Validate competence in data-driven decision-making.
- Boost confidence in handling complex data projects.
- Stay updated with evolving data science methodologies.
- Increase marketability and job prospects in data science.
- Establish oneself as a certified data science practitioner.
- Join a distinguished community of data science professionals.

## OBJECTIVES OF DATA SCIENCE PROFESSIONAL

# Curriculum

## 1.Data Science Introduction:

- Overview of Data Science: Definition, Importance, and Applications
- Key Concepts and Terminology in Data Science
- The Data Science Lifecycle: Problem Definition, Data Collection, Data Preparation, Data Analysis, and Interpretation
- Tools and Technologies in Data Science: Python, R, SQL, etc.
- Introduction to Data Science Roles: Data Scientist, Data Analyst, Data Engineer, and their Responsibilities

## 2.Probability and Statistics for Data Science:

- Basic Probability Concepts: Probability Theory, Random Variables, Probability Distributions
- Statistical Methods: Descriptive Statistics, Inferential Statistics, Hypothesis Testing
- Correlation and Regression Analysis
- Bayesian Statistics
- Importance of Probability and Statistics in Data Science

## 3.Working with Big Data:

- Introduction to Big Data: Definition, Characteristics, and Challenges
- Big Data Technologies: Hadoop, Spark, NoSQL Databases
- Data Storage Solutions: HDFS, Cassandra, MongoDB
- Big Data Processing Frameworks: MapReduce, Spark
- Case Studies and Applications of Big Data

## 4.Data Extraction and Visualization Techniques:

- Data Extraction Techniques: Web Scraping, APIs, Databases
- Data Cleaning and Preparation: Handling Missing Values, Data Transformation, Data Integration
- Introduction to Data Visualization: Importance, Principles, and Tools
- Visualization Techniques: Charts, Graphs, Plots, Dashboards
- Tools for Data Visualization: Matplotlib, Seaborn, Plotly

## 5.Data Mining and Machine Learning:

- Fundamentals of Data Mining: Concepts, Techniques, and Applications
- Machine Learning Overview: Supervised, Unsupervised, and Reinforcement Learning
- Key Algorithms: Regression, Classification, Clustering, Association
- Model Evaluation and Validation Techniques
- Practical Applications of Data Mining and Machine Learning

## 6.A Statistical Approach for Data Science:

- Advanced Statistical Methods: Multivariate Analysis, Time Series Analysis, Survival Analysis
- Statistical Inference: Estimation, Confidence Intervals, Significance Testing
- Experimental Design and Analysis
- Statistical Software: R, Python (statsmodels, SciPy)
- Real-world Applications of Statistical Methods in Data Science

### **7. Text Mining & NLP:**

- Introduction to Text Mining: Techniques, Applications, and Challenges
- NLP Fundamentals: Text Preprocessing, Tokenization, Stemming, Lemmatization
- Text Classification, Sentiment Analysis, and Topic Modeling
- Advanced NLP Techniques: Word Embeddings, Transformers, BERT, GPT
- Tools for Text Mining and NLP: NLTK, SpaCy, Gensim

### **8. Data Visualization Using Tableau:**

- Introduction to Tableau: Overview and Installation
- Connecting to Data Sources in Tableau
- Creating Basic Visualizations: Bar Charts, Line Charts, Pie Charts
- Advanced Visualizations: Heat Maps, Tree Maps, Scatter Plots
- Building Interactive Dashboards and Storytelling with Data
- Deep Dive into Tableau Features and Functionalities
- Advanced Data Manipulation and Calculations in Tableau
- Using Tableau for Exploratory Data Analysis
- Integrating Tableau with Other Data Science Tools
- Best Practices for Effective Data Visualization and Presentation

# 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



### **Interactive Learning Experience:**

Ask questions, discuss case studies, and receive implementation guidelines directly from expert, enhancing your understanding of complex AI topics

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### **Lifelong Learning Journey:**

Enjoy lifetime access to these sessions, ensuring you stay updated with the latest trends and continuously grow your AI expertise

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### **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 in Data Science Professional 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 Certified in Data Science Professional With E-Learning

### Certified In Data Science Professional 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 in Data Science Professional Bundle

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

- Certified Cloud Computing Foundation
- Certified Machine Learning Professional
- Certified Artificial Intelligence Foundation
- Certified Data Science Professional
- Certified Metaverse Professional

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

**BUY ANY**

**3**

**CERTIFICATIONS**

**[Claim Bundle Here !!!](#)**

## *Unlock Workforce Potential Through Skill Validation!*

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

**Register Now**

## **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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