Certified Machine Learning Master (CMLM)

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 Certified Machine Learning Master program, offered by GSDC, is a comprehensive certification designed for you to excel in the field of machine learning. Developed to meet the growing demand for expertise in data-driven decision-making, this program equips you with advanced skills and practical knowledge in machine learning algorithms, statistical modelling, and predictive analytics.

Throughout the program, you will explore concepts such as supervised and unsupervised learning, neural networks, and deep learning techniques. Hands-on projects and real-world case studies enable learners to apply machine learning algorithms to solve complex problems, optimize processes, and extract meaningful insights from data.

It offers a structured learning path that covers both theoretical foundations and practical applications of machine learning. By mastering the Certified Machine Learning Master program, you will gain the expertise needed to drive innovation, make informed decisions, and propel your careers in the rapidly evolving field of artificial intelligence and data science. Enhance your expertise in machine learning and advance your professional journey today!

	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!

ABICB
Accreditation Board for
International Certification Bodies

Introduction

Certificate Machine Learning Master (CMLM)

The Certified Machine Learning Master (CMLM) is a comprehensive certification designed for professionals seeking to validate their expertise with certifications in machine learning.

This machine learning master certification answers the need for skilled experts who can develop, implement, and optimize machine learning models in real-world applications.

By earning this certified machine learning credential, candidates demonstrate practical knowledge that sets them apart in a competitive job market.

With multiple machine learning certificates available, the CMLM stands out by focusing on hands-on skills and in-depth understanding.

This certification in machine learning equips professionals to tackle complex data challenges and drive innovation across industries.

Learning Objective

❑ Validate practical skills in machine learning models

❑ Demonstrate understanding of core ML algorithms

❑ Apply knowledge through real-world use case studies

❑ Showcase expertise in feature engineering and selection.

❑ Utilize ready-to-use templates and tools effectively

❑ Assess proficiency in data preprocessing and feature engineering

❑ Showcase ability to implement machine learning pipelines

❑ Confirm knowledge of supervised and unsupervised learning

❑ Reinforce understanding of AI integration techniques

❑ Measure readiness for advanced machine learning roles

OBJECTIVES OF MACHINE LEARNING MASTER

Curriculum

1. Introduction to Python Programming
•Overview of Python
•History of Python
•Python Basics: variables, identifiers, indentation
•Python data structures (dictionary, list, string, sets, and tuples)
•Statements in Python (conditional, iterative, jump)
•OOPS concepts
•Exception Handling
•Regular Expression

2. Introduction to various packages and related functions
•Numpy, Pandas and Matplotlib
•Pandas Module
•Series
•Data Frames
•Numpy Module
•Numpy arrays
•Numpy operations
•Matplotlib module
•Plotting information
•Bar Charts and Histogram
•Box and Whisker Plots
•Heatmap
•Scatter Plots

3. Data Wrangling using Python
•NumPy: Arrays
•Data Operations (Selection, Append, Concat, Joins)
•Univariate Analysis
•Multivariate Analysis
•Handling Missing Values
•Handling Outliers

4. Introduction to Machine Learning with Python
•What is Machine Learning?
•Introduction to Machine Learning
•Types of Machine Learning
•Basic Probability required for Machine Learning
•Linear Algebra required for Machine Learning

5. Supervised Learning: Regression
•Simple Linear Regression
•Multiple Linear Regression
•Assumptions of Linear Regression
•Polynomial Regression
•R2 and RMSE

6. Supervised Learning: Classification
•Logistic Regression
•Decision Trees
•Random Forests
•SVM
•Naïve Bayes
•Confusion Matrix

7. Dimensionality Reduction
•PCA
•Factor Analysis
•LDA

8. Unsupervised Learning: Clustering
•Types of Clustering
•K-means Clustering
•Agglomerative Clustering

9. Additional Performance Evaluation and Model Selection
•AUC / ROC
•Silhouette coefficient
•Cross-Validation
•Bagging
•Boosting
•Bias v/s Variance

10. Recommendation Engines
•Need for recommendation engines
•Types of Recommendation Engines
•Content-Based
•Collaborative Filtering

11. Association Rules Mining
•What are Association Rules?
•Association Rule Parameters
•Apriori Algorithm
•Market Basket Analysis

12. Time Series Analysis
•What is Time Series Analysis?
•Importance of TSA
•Understanding Time Series Data
•ARIMA analysis

13. Reinforcement Learning
•Understanding Reinforcement Learning
•Algorithms associated with RL
•Q-Learning Model
•Introduction to Artificial Intelligence

14. Artificial Neural Networks and Introduction to Deep Learning
•History of Neural Network
•Perceptron
•Forward Propagation
•Introduction to Deep Learning

15. Personalized Mentorship and Career Guidance
•   One-on-One Mentor Connect with Subject Matter Expert
•   A dedicated 1-hour session with an experienced AI/ML practitioner
•   Ask specific questions about assignments, tools, or ML algorithms
•   Get feedback on your project work and coding practices
•   Clarify concepts or explore certification and career planning in data science

16. Tools, Certification Prep & Real-World Projects
•   Hands-on Projects Using Real-World Datasets
•   Tools Covered: Jupyter Notebook, Scikit-learn, TensorFlow (Intro), Git
•   Sample Interview Questions and Capstone Guidance
•   Certification Support: Python for Data Science, ML Certifications (Google, IBM, etc.)
•   Real-World Case Studies in Retail, Finance, and Healthcare
•   Model Deployment Concepts (Intro to Flask/Streamlite for ML Apps)

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

chandrasekaran 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 knowledegable and kept it very interactive . Thanks the GSDC team for this !

Date of experience: April 13, 2023

👍 Useful   ⤳ Share

Tosin Olaniyi
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

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!

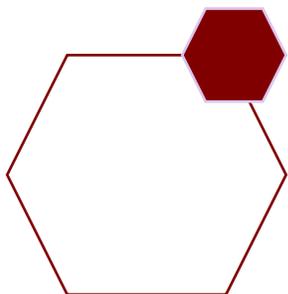Date of experience: September 25, 2023

👍 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, Ruguozeno, 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

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Option-1

Certified Machine Learning Master 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 Machine Learning Master with E-Learning

Certified Machine Learning Master 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

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Machine Learning Master
CERTIFIED

ENROLL NOW

Option-2

Make Your Own Certified Machine Learning Master Bundle

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

- Certified Machine Learning Professional

- Ethical Hacking Foundation Certification

- Certified Software Development Life Cycle (SDLC) Professional

- Certified Data Science Professional

- Certified Artificial Intelligence Foundation

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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