Deep Learning Specialization

DATA GOVERNANCE AND STEWARDSHIP PROFESSIONAL (DGSP) PROGRAM

Ramaq Chools
Consulting &Training

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INTRODUCTION TO DGSP

Welcome, future data governance expert! The Data Governance and Stewardship Professional (DGSP) certification, offered by the Institute for the Certification of Computing Professionals, recognizes professionals who have demonstrated extensive knowledge in data governance and stewardship. This globally recognized certification involves a combination of education, experience, and a test-based examination.

Why Choose Chools?

Numbers That Speak for Themselves:

- 10,000+ Successful Alumni: Join a network of impactful professionals.
- 95% Job Placement Rate: Secure your future with Chools' proven track record.
- 20+ Years of Excellence: Trust in a legacy of education and industry expertise.
- 200+ Industry Partnerships: Leverage our connections for real-world insights and opportunities.

What Sets Us Apart?

- **Expert Instructors**: Learn from industry veterans with hands-on experience.
- **Hybrid Learning Model**: Balance online flexibility with in-person engagement.
- **Comprehensive Curriculum**: Stay ahead with courses designed to meet market demands.
- **Community and Networking**: Be part of an active community of learners and professionals.

Who Can Apply?

Eligibility Criteria:

- A bachelor's degree in any subject, preferably with a STEM background. Good command of English.

Ideal Candidates

- Professionals with at least 900 hours of direct data governance and data stewardship experience, looking to advance their careers in data management.

Program Overview

The Data Governance and Stewardship Professional (DGSP) Program at Chools provides an extensive education in data governance and stewardship. Our curriculum ensures a comprehensive understanding through four progressive stages, combining theoretical knowledge with practical, hands-on experience.

Learning Mode:

- **Hybrid Learning Model:** Combines online learning with in-person sessions for flexibility and interactive engagement.
- **Interactive Sessions:** Includes live webinars, workshops, and Q&A forums with expert instructors and peers.
- **Self-paced Learning:** Access course materials anytime, allowing you to learn at your own pace.

Skills Learned

- **Data Governance**: Establishing policies and standards.
- **Data Stewardship**: Ensuring data quality and accountability.
- **Data Architecture**: Designing and managing data structures.
- **Data Modeling**: Creating efficient data models.
- **Data Warehousing**: Storing and retrieving large data sets.
- **Big Data Technologies**: Handling large datasets with Hadoop and Spark.
- **Cloud Computing**: Utilizing cloud platforms for data management.
- **Data Ethics**: Understanding responsible data use.
- **Data Integration**: Combining data from various sources.
- **Business Intelligence**: Using data to drive decision making.

Job Positions and Opportunities

- **Career Paths**: Data Governance Officer, Data Stewardship Professional, Data Architect, Data Quality Manager, Data Analyst, Business Intelligence Analyst, Data Warehouse Manager.
- **Industry Demand**: High demand across various sectors, competitive salaries, and strong growth potential.

Key Industry Verticals

- **Skill Application Areas**: Finance, Healthcare, Technology, Marketing, Manufacturing, Energy, Education, Telecommunications, Logistics and Supply Chain, Government and Public Services.

Curriculum Highlights

- Fundamental Knowledge: Core principles of data governance and stewardship.
- Advanced Techniques: In-depth understanding of advanced data management tools.
- Real-World Applications: Practical projects and case studies to apply your learning.

- Capstone Project: A final project that integrates all your skills and knowledge, showcasing your proficiency in data governance and stewardship

Professional Development

- Continuous Learning: Stay updated with the latest trends and advancements in data governance.
- Networking Opportunities: Connect with industry experts, peers, and alumni to advance your career.
- Ethical Considerations: Learn about data ethics, privacy, and compliance to maintain the integrity of your practices.

By completing the DGSP Program at Chools, you'll gain the skills, knowledge, and certification needed to excel in data governance and stewardship, positioning yourself as a valuable asset to any organization.

Program Objectives

- Master technical skills in data governance and stewardship.
- Implement advanced data stewardship techniques.
- Explore data governance frameworks and best practices.
- Address real-world data management challenges.
- Understand ethical considerations in data governance.
- Foster continuous learning.
- Encourage teamwork and collaboration.
- Prepare for advanced roles in data governance.

Expected Outcomes

- Proficiency in data governance and stewardship tools and techniques.
- Practical experience through hands-on projects.
- Strong analytical and problem-solving skills.
- Application of ethical data practices.
- Innovation in data governance solutions.

PROGRAM OUTLINE

Stage 1: Fundamentals of Data Governance

1. Introduction to Data Governance
Core principles, tools, and industry applications.

2. Basics of Data Stewardship
Establishing data policies and standards.

3. Data Quality Management
Ensuring data accuracy and reliability.

4. Data Modeling
Creating efficient data models.

Stage 2: Advanced Data Stewardship Tools

5. Advanced Data Architecture Techniques
Designing and managing complex data structures.

6. Data Warehousing
Storing and retrieving large data sets efficiently.

7. Big Data Technologies
Implementing Hadoop and Spark for large-scale data management.

8. Data Integration
Combining data from various sources.

Stage 3: Practical Applications

9. Data Cleaning and Preprocessing
Techniques for ensuring data quality and reliability.

10. Exploratory Data Analysis (EDA)
Analyzing data distributions, identifying patterns.

11. Advanced Data Governance Techniques
Implementing and managing data governance frameworks.

12. Business Intelligence Applications
Using data to drive decision making.

Stage 4: Capstone Project

13. Integration of Learned Skills
Apply tools and techniques to real-world data management problems.

14. Advanced Data Quality Management
Ensuring the highest levels of data accuracy and reliability.

15. Cloud Data Management
Utilizing cloud platforms for scalable data solutions.

16. Data Management for AI and ML
Supporting AI and ML applications with robust data management.

PROGRAM OUTLINE

Elective Modules

17. Data Ethics and Privacy
Ethical considerations, privacy laws, compliance strategies.

18. Predictive Analytics with Data Management
Building and validating predictive models.

19. AI for Data Management
Implementing AI solutions in data management.

20. Advanced Data Warehousing Techniques
Optimizing data warehousing solutions.

21. Data-Driven Decision Making
Using data to inform and drive business strategies.

22. Cloud Data Management Solutions
Deploying data management systems on cloud platforms.

23. Data Management Project Management
Leading data management projects, ensuring successful delivery.

24. Big Data Security
+Securing data in big data environments.

25. Data Management for IoT
Managing data generated by IoT devices.

Enrollment Now Open!

Take the first step towards becoming a certified data governance and stewardship professional. Enroll in our Data Governance and Stewardship Professional (DGSP) Program and enhance your career with Chools.

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