AI CERTs™

AI Certification Program

AI+ Ethics™

Executive Summary

The AI+ Ethics Certification is an industry-oriented program enabling professionals to distinguish themselves in ethically utilizing emerging AI technologies. Business and government organizations actively seek ethics professionals to mitigate risks and guide decision-making in AI application design. The brand's values and financial impacts resulting from ethical violations can significantly affect an organization's image. Ethical leaders play a crucial role in implementing strategies to promote fairness, minimize risks, and uphold ethical standards, ensuring the overall well-being of their organizations.

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AI+ Ethics Exam Blueprint

Date Issued: 1/10/2024
Version: 1.1

Certification Prerequisites

- Basic grasp of ethical principles and moral reasoning
- Interest in how AI impacts society and daily life, and openness to change
- Willingness to understand AI ethical frameworks and guidelines

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AI+ Ethics Exam Blueprint

Date Issued: 1/10/2024
Version: 1.1

Exam Blueprint

Number of Questions

50

Passing Score

35/50 or 70%

Duration

90 Minutes

Format

Online via AI Proctoring platform

Question Type

Multiple Choice/Multiple Response

Exam Overview

Module	Weight
Overview of AI Ethics & Societal Impact	10%
Bias and Fairness in AI	5%
Transparency and Explainable AI	10%
Privacy and Security Issues in AI	5%
Accountability and Responsibility	10%
Legal and Regulatory Issues	15%
Ethical Decision-Making Frameworks	15%
AI Governance & Best Practices	15%
Global AI Ethics Standards	15%
	100%

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Certification Modules

Module 1

Overview of AI Ethics & Societal Impact

1.1 Introduction to Ethical Considerations in AI

1.2 Understanding The Societal Impact of AI Technologies

1.3 Strategies for Conducting Social and Ethical Impact Assessments

Module 2

Bias and Fairness in AI

2.1 Exploration of Biases in Data and Algorithms

2.2 Strategies for Mitigating Bias and Ensuring Fairness in AI Systems

Module 3

Transparency and Explainable AI

3.1 Importance of Transparent AI Systems

3.2 Techniques for Explaining AI Models to Diverse Stakeholders

3.3 Guided Projects on Designing and Analysis of AI Systems with Ethical Considerations

Module 4

Privacy and Security Issues in AI

4.1 Examination of Privacy Concerns Related to AI

4.2 Strategies for Ensuring the Security of AI Systems and Data

Module 5

Accountability and Responsibility

5.1 Concepts of Accountability in AI Development and Deployment

5.2 Responsibilities of AI Practitioners and Organizations

Module 6

Legal and Regulatory Issues

6.1 Overview of Relevant Laws and Regulations Pertaining to AI

6.2 Understanding the Global Regulatory Issues for AI Technologies

6.3 Case Studies: GDPR Compliance

6.4 Legal Compliance of AI Tools

Module 7

Ethical Decision-Making Frameworks

7.1 Introduction to Frameworks for Making Ethical Decisions in AI

7.2 Case Studies and Applications of Ethical Decision-Making

7.3 Use of Simulation Platforms in Ethical Decision-Making

Module 8

AI Governance & Best Practices

8.1 Principles and Functions of International AI Governance

8.2 Best Practices for Integrating AI Ethics into Organizational Policies

8.3 Case Studies on AI Governance

Module 9

Global AI Ethics Standards

9.1 Explore Standards: IEEE's Ethically Aligned Design

9.2 Comparative Case Studies on Standard Implementations

9.3 Tools for Evaluating AI Systems Against Global Standards

Certification Outcome

Upon successful completion of this AI+ Ethics certificate program, participants gain the ability to understand fundamental ethical considerations and their societal impact. They also recognize the influence of biased data and the importance of establishing fair and equitable AI systems. Additionally, participants can implement transparency in AI system development to mitigate bias, comprehend privacy and security concerns in design and deployment, and realize accountability and responsibility in AI system deployment.

Market Insight

The growing demand for AI ethics in the tech industry emphasizes ethical guidelines in development. Valuable for companies, government, and individuals, it ensures responsible AI practices, reflecting a broader movement towards ethical technology and innovation with significant growth potential.

Value Proposition

Obtaining AI Ethics certification equips individuals and organizations with crucial skills to navigate the complex ethical aspects of AI. It demonstrates a commitment to ethical principles, enhancing personal credibility, professional development, and building public trust in AI technologies. The certification acts as a benchmark, promoting best practices and guiding responsible innovation in the field.

Additional Features

AI Ethics certification, tailored for business leaders and AI developers, emphasizes ethical considerations and challenges in artificial intelligence. It equips decision-makers with knowledge and skills to responsibly design, develop, and implement AI technologies, promoting fairness, transparency, and mitigating biases through case studies and hands-on tools.

AI Experts

Jason Kellington

AI Expert

As a consultant, trainer, and technical writer with more than 25 years of experience in IT, I specialize in the development and delivery of solutions focused on effective and efficient enterprise IT.

Justin Frébault

AI Expert

I'm a boutique data consultant specializing in data mesh and lakehouse solutions. I've dedicated my career to helping organizations transform their approach to data, moving beyond mere knowledge.

J Tom Kinser

AI Expert

I have over forty years of experience in software development, data engineering, management, and technical training. I am a Microsoft Certified Trainer and a software developer, holding multiple certifications.

Terumi Laskowsky

AI Expert

Country Manager for Global Consulting Services in Japan, Specialties: Information Security (Compliance, Policy, Application, Host, Network)

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