

AI+ Ethics™

Duration: 8 hrs

Course Overview

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.

Course 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.

Course Agenda

Module 1: Overview of AI Ethics & Societal Impact

- Introduction to Ethical Considerations in AI
- Understanding The Societal Impact of AI Technologies
- Strategies for Conducting Social and Ethical Impact Assessments

Module 2: Bias and Fairness in AI

- Exploration of Biases in Data and Algorithms
- Strategies for Mitigating Bias and Ensuring Fairness in AI Systems

Module 3: Transparency and Explainable AI

- Importance of Transparent AI Systems
- Techniques for Explaining AI Models to Diverse Stakeholders

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

Module 4: Privacy and Security Issues in AI

- Study frameworks for holding organizations accountable for the ethical use of AI.
- Why it matters: Ensures ethical AI deployment and helps mitigate the consequences of potential misuse or harm.

Module 5: Accountability and Responsibility

- Concepts of Accountability in AI Development and Deployment
- Responsibilities of AI Practitioners and Organizations

Module 6: Legal and Regulatory Issues

- Overview of Relevant Laws and Regulations Pertaining to AI
- Understanding the Global Regulatory Issues for AI Technologies
- Case Studies: GDPR Compliance
- Legal Compliance of AI Tools

Module 7: Ethical Decision-Making Frameworks

- Introduction to Frameworks for Making Ethical Decisions in AI
- Case Studies and Applications of Ethical Decision-Making
- Use of Simulation Platforms in Ethical Decision-Making

Module 8: AI Governance & Best Practices

- Principles and Functions of International AI Governance
- Best Practices for Integrating AI Ethics into Organizational Policies
- Case Studies on AI Governance

Module 9: Global AI Ethics Standards

- Explore Standards: IEEE's Ethically Aligned Design
- Comparative Case Studies on Standard Implementations
- Tools for Evaluating AI Systems Against Global Standards