

## Ethics in AI and Machine Learning

### COURSE OVERVIEW

This course introduces participants to the ethical challenges and responsibilities associated with the development and use of AI and machine learning systems. It covers core topics such as algorithmic bias, transparency, accountability, data privacy, fairness, and the societal impacts of AI. The aim of the course is to help participants learn how to identify ethical risks, apply responsible AI practices, and design systems that align with legal and social standards.

### WHO SHOULD ATTEND?

This course is tailored for data scientists, AI developers, machine learning engineers, policymakers, project managers, compliance officers, and anyone involved in designing or implementing AI solutions. It is also valuable for business leaders and decision-makers looking to ensure ethical governance in AI adoption and deployment.

### COURSE OUTCOMES

Delegates will gain the knowledge and skills to:

- Learn the key ethical issues in AI and machine learning.
- Identify and mitigate algorithmic bias and unfairness.
- Apply transparency and accountability principles in AI design.
- Address privacy and data protection concerns.
- Evaluate the social and legal impacts of AI technologies.
- Implement responsible AI practices across the development lifecycle.
- Align AI projects with ethical frameworks and global standards.
- Communicate ethical risks and solutions effectively within teams.

### KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Foundations of AI ethics and responsible innovation.
- Algorithmic fairness and bias mitigation techniques.
- Ethical data sourcing and privacy considerations.
- Explainability and transparency in model decisions.
- Legal and regulatory frameworks for ethical AI.
- Human oversight and accountability in automation.
- Ethics in AI for hiring, healthcare, finance, and public use.
- Real-world ethical dilemmas and case study analysis.
- Tools and frameworks for ethical AI assessment.
- Building trust and social acceptance in AI systems.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded