

DATA SCIENCE

BEGINNER

2 DAYS

AI for Everyone

Build a strong foundation in AI, Machine Learning, and Data Science to understand core concepts, real world applications, and how AI projects are delivered in organizations. Learn how to assess business impact, define AI strategy, collaborate across teams, and address ethical considerations in AI adoption.

Why AI for Everyone?

AI-Powered Insights

Prepare your employees for AI-powered data analytics, allowing them to derive deeper insights for more informed decision-making.

Increased Efficiency and Productivity

By identifying the scope and implementing AI solutions in your existing workflows, your employees can be freed from repetitive, mundane tasks. This allows them to focus on more strategic activities.

Better Customer Experience

Our AI training enables employees to build and deploy AI solutions, such as chatbots, personalized recommendation engines, etc., to enhance customer interactions. This helps in creating a more engaging and responsive experience.

Enhanced Adaptability and Agility

Investing in AI training ensures that your workforce remains relevant and adaptable to technological advancements. This future-proofs your business.

What you'll be able to do

- ✓ Understand the basics of AI and related terminology - Deep Learning (DL), Machine Learning (ML), Neural Networks, etc.
- ✓ Identify potential AI applications within your organization.
- ✓ Learn how machine learning and data science projects are accomplished
- ✓ Assess AI's impact on business processes and outcomes
- ✓ Develop an AI strategy while working with a multidisciplinary team
- ✓ Address ethical considerations of using AI

Who this is for

- IT Professionals and Leaders
- Machine Learning Experts
- Product Managers
- Department Heads

Curriculum

01 What is AI?

- Introduction to machine learning, understanding its basic principles, and functions
- Importance of data in AI, what constitutes data, and how it is used in AI processes
- Key AI terms and concepts
- Characteristics and strategies that define successful AI-driven companies
- Capabilities and limitations of machine learning through practical examples

02 Building AI Projects

- Managing a machine learning project from start to finish
- Key stages involved in a data science project and how they align with ML workflows
- Why data literacy is essential across all job functions
- Selecting the right AI projects based on business goals and resources
- Best practices and strategies to deliver successful projects
- Technical tools and platforms (TensorFlow, DataRobot, IBM Watson, etc) to build and deploy AI solutions

03 Building AI in Your Organization

- Real-world examples of AI-integrated solutions, including smart speakers, self-driving cars, etc
- Various roles within an AI team and how each contributes to successful AI projects
- Strategic frameworks for implementing AI across your organization
- Workarounds for common mistakes and challenges in AI projects
- Applications of AI in healthcare, finance, and other industries with specific applications of ML, DL, and NLP

04 AI and the Society

- AI's integration into business operations
- Biases in AI algorithms and how AI models can be manipulated with malicious intent
- Opportunities and challenges AI brings