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Learning Style: Online Instructor-Led

Technology:

Difficulty: Beginner

Course Duration: 1 Day

AI Essentials: Quick Start to Basic AI Theory (TTAI2050)



About This Course:

Discover the Power of Artificial Intelligence (AI) in our quick start style, half day learning event. Led by an industry expert, this program is designed to equip basic skilled technical users with the skills and knowledge needed to harness the potential of AI in real-world scenarios. Engage in dynamic discussions and activities to deepen your understanding of AI concepts and their practical applications. In

addition to insightful discussions and case studies, this event incorporates light hands-on ‘exposure-level’ activities, providing you with a unique opportunity to work directly with some prevalent AI technologies to a basic level. You’ll be able to familiarize yourself with common AI tools, engage in valuable discussions and enhance your practical AI skills under the guidance of our expert class leader. This class focuses on the practical applications of AI, equipping you with the tools and techniques needed to apply AI concepts to real-world scenarios. Throughout the course, you'll explore key topics such as the difference between AI, machine learning, and deep learning, recent breakthroughs in AI, the importance of data in AI development, and the ethical considerations and reliability issues associated with this transformative technology. Gain insights into testing and troubleshooting AI systems, as well as the efficient use of AI in business applications.

With this skills-focused training, you'll leave this course equipped with the skills and knowledge to confidently navigate the AI landscape, understand its impact on various industries, and effectively communicate the value AI brings to businesses. Expand your expertise and stay ahead of the curve in today's rapidly evolving technological landscape.

Course Objectives:

- Learn the essentials of AI, machine learning, and deep learning, enabling you to distinguish between these concepts and their applications in real-world scenarios.
- Stay up-to-date with the latest advancements in AI technology and understand their implications across different industries.
- Grasp the importance of data in AI development and learn how to leverage it effectively to enhance the performance and accuracy of AI systems.
- Explore the ethical considerations surrounding AI, including the responsible and ethical use of big data, and develop an awareness of the reliability issues associated with intelligent systems.
- Learn practical skills in testing AI systems and identifying and addressing common issues that may arise during their development and deployment.
- Explore how AI is utilized in various business contexts, understand its value proposition, and effectively communicate its potential benefits to stakeholders.

Audience:

- This course is ideal for individuals in technical roles who are new to the field of artificial intelligence (AI) and want to gain a solid understanding of its concepts and practical applications. It is particularly beneficial for professionals working in software development, data analysis, or technology-related fields, seeking to expand their skill set and explore the potential of AI

in their respective domains.

Prerequisites:

- Basic familiarity with using computer applications and digital tools in a professional setting, such as email clients, office suites, and project management tools.
- A general understanding of how businesses operate, including knowledge of your own business operations and processes.
- Comfortable navigating through digital platforms and tools.
- A problem-solving mindset, as the aim of many AI tools is to help solve business challenges in innovative ways.

Course Outline:

Introduction to AI

- Understand what AI is and its role in today's technological landscape.
- AI vs machine learning & deep learning
- Types of Intelligent Systems
- Multiple definitions of AI

The Importance of Data in AI

- Learn about the role of data in developing effective AI systems.
- Importance of Data in AI Development
- Big Data as a Catalyst for AI Development

Exploring AI Development Environments

- Gain knowledge about the various tools and techniques used in AI development.
- Popular Environments for AI Development

- The programming language in AI application

Recent Breakthroughs in AI

- Explore the latest advancements and breakthroughs in the field of AI.
- Recent Breakthroughs in AI

The Ethics and Reliability of AI

- Understand the ethical considerations and reliability issues associated with AI.
- Ethical Use of Big Data
- Reliability of Intelligent Systems

Testing and Troubleshooting AI

- Learn about the importance of testing AI and common issues that may arise.
- Importance of Testing AI
- What Can Go Wrong with AI?

Efficiency in AI and Its Business Applications

- Grasp how to effectively use AI and its benefits to businesses.
- Efficient Use of AI
- Communicating the value AI can bring to businesses
- Explore Areas where AI is already being used