5 Days

AI Application for Utility

Providing Vital Power to the World

▶ Upcoming Sessions

05-09 Aug 2024	Dubai - UAE	$5,950
09-13 Sep 2024	Dubai - UAE	$5,950
11-15 Nov 2024	Dubai - UAE	$5,950

▶ Training Details

Training Course Overview

The training course designed to help the Utility industries in the use and implementation of AI. Despite its ubiquity and hype, as well as wide media coverage, not everyone understands what AI actually means, and it is specifically AI the capacity of machines and computers to mimic human behavior. However, underneath that big umbrella definition, are machine learning technologies and sophisticated algorithms that help machines and computers work smarter and more effectively and combined with human imagination and intervention achieve significant breakthroughs.

This course is designed to prepare the delegates for the use of AI within the utility industry and implement tools, techniques, algorithms and software allowing for the AI implementation and upgrading Utility industry with digital twins and prepare them for the Utility demands and solutions for the future.

This Anderson training course will feature:

- AI to help transform utility operations,
- AI influence in customer relationships
- Business models change and adaptation rough AI
- AI use to manage the large and accelerating influx of distributed energy resources
- Utility industry use of AI to take advantage of customer interest in deeper engagement

Training Course Objectives

By the end of this Anderson training course, participants will be able to:

- Understand how to implement AI in Utility Industry,
- Explain how to imitate human in clustering and classification
- Understand how to design a Machine Learning based applications
- Analysis and Design AI Applications
- Learning how to analyze daily business problems and create Artificial Intelligence solutions

Designed for

This Anderson training course is suitable to a wide range of professionals but will greatly benefit:

- CEOs,
- CTOs, CIOs and Engineers,

- Data Scientists, Data Analysts,
- Statisticians and technology personnel,
- Marketing and research specialists,
- IT Engineers,
- Junior Engineers and Graduates who wish to understand the core of Business Analysis

Learning Methods

This Anderson training will utilize a variety of proven adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This includes theoretical presentation of the concepts, but the emphasis will be on the exercises performed by the delegates with the guidance of the instructor. The delegates will be "learning by doing" as the course is designed for them to use the software on the real problems and real data applying each of the techniques themselves. Delivery will be by presentation, group syndicate investigations, training e-manual and interactive seminars, as well as group discussion on the results of the exercises. Delegates will be presented with a theory, as well as pseudocode and practicing solutions of the problems.

▶ Training Details

Day One: AI Introduction

- Basic data structures
- Fibonacci heaps
- Data Analysis and pattern recognition
- Data Mining
- Business Intelligence

Day Two: Utility Industry Evolution

- Generative AI
- AI fundamentals and terminology
- AI's impact on business and decision-making
- AI applications in Utility industry
- Example of AI in Utility Industry

Day Three: Machine Learning and Intelligent Agents

- Supervised and Unsupervised Learning
- Classification and Clustering
- Artificial Neural Networks
- Logic Reasoning
- Unification
- Deduction Processes

Day Four: AI for Improvement in Utility Industry

- Customer Experience Enhancement trough AI
- Predictive maintenance with AI
- Risk detection through analysis
- Consensus with regulators
- Distribution planning with the use of AI

Day Five: Utility Industry with the Mix of Power Sources

- AI for integration of alternative energy sources
- AI and solar energy
- AI and wind energy
- AI and biomass energy
- Power of AI for Energy Savings

▶ The Certificate

Anderson Certificate of Completion will be provided to delegates who attend and complete the course

► INFO & IN-HOUSE SOLUTION

For more information about this course, call or email us at:

Call us: +971 4 365 8363

Email: info@anderson.ae

Request for a Tailor-made training and educational experience for your organization now:

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