

Consulting and Training | Reach New Heights

Course Name

AI Utilization & Data Insighting

Sector Name

Information Technology

Document Type

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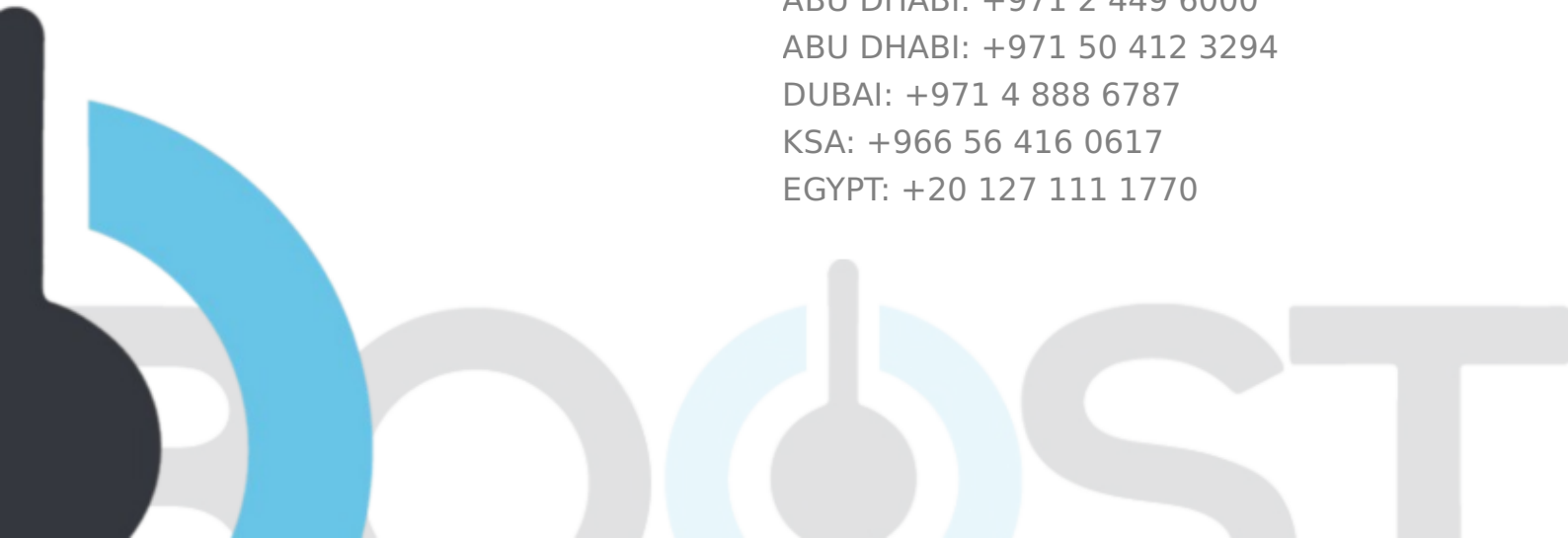
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AI Utilization & Data Insighting

Course Introduction

Organizations today need intelligent systems that are secure, efficient, and capable of providing actionable insights.

This course equips participants with the skills to leverage AI for smarter applications while maintaining secure coding practices and optimized software architecture. Participants will learn to harness AI for predictive analytics, pattern detection, and operational efficiency, driving innovation and trust in applications.

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AI Utilization & Data Insighting

Target Audience

- ✓ Business Analysts
- ✓ Data Analysts and Reporting Specialists
- ✓ Managers and Decision Makers
- ✓ Digital Transformation and Innovation Teams

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Learning Objectives

- ✓ Apply AI techniques to generate actionable insights from business and operational data.
- ✓ Ensure code security and minimize vulnerabilities in AI-integrated applications.
- ✓ Design software architecture that is scalable, maintainable, and high-performing.
- ✓ Detect patterns, trends, and anomalies to optimize processes and workflows.
- ✓ Reduce operational and fix costs through data-driven strategies.
- ✓ Use AI to enhance decision-making, innovation, and system efficiency.

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AI Utilization & Data Insighting

Course Outline

✓ DAY 01

Foundations of AI Utilization and Secure Applications

- ✓ Overview of AI in modern applications
- ✓ Principles of secure coding for AI-driven systems
- ✓ Reducing exploits and ensuring trust in applications
- ✓ Balancing security, efficiency, and AI integration
- ✓ Introduction to data-driven decision-making

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Course Outline

✓ Day 02

Data Structuring, Management, and Workflow Optimization

- ✓ Organizing and cleaning data for AI analysis
- ✓ Data pipelines and workflow design for scalable systems
- ✓ Linking data structures to application performance and architecture
- ✓ Detecting inefficiencies and optimizing data flow
- ✓ Preparing datasets for predictive analytics and pattern detection

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Course Outline

✓ Day 03

AI Techniques for Pattern Detection and Insights

- ✓ Supervised and unsupervised learning for business applications
- ✓ Predictive analytics, anomaly detection, and trend analysis
- ✓ Leveraging AI algorithms to identify bottlenecks and opportunities
- ✓ Integrating AI insights into application logic and operations
- ✓ Validating AI-driven insights for reliability and business impact

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Course Outline

✓ Day 04

Architecture and Performance Optimization

- ✓ Designing scalable, maintainable, and flexible AI-powered systems
- ✓ Performance tuning for high-load and complex applications
- ✓ Modular and component-based architecture for efficient AI deployment
- ✓ Monitoring and logging for security and operational efficiency
- ✓ Aligning architecture with AI utilization for smarter systems

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Course Outline

✓ Day 05

Actionable AI Insights and Innovation

- ✓ Communicating AI-generated insights to stakeholders effectively
- ✓ Using insights to optimize workflows, reduce costs, and improve trust
- ✓ Strategies for continuous improvement and innovation
- ✓ Case studies of secure, efficient, and AI-enhanced applications
- ✓ Roadmap for long-term AI utilization, efficiency, and data-driven decision-making

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 9, 2027	May 13, 2027	5 days	4250.00 \$	KSA , Riyadh
Oct. 18, 2026	Oct. 22, 2026	5 days	2150.00 \$	Virtual , Online
March 29, 2027	April 2, 2027	5 days	4250.00 \$	UAE , Dubai
Sept. 6, 2027	Sept. 10, 2027	5 days	4950.00 \$	Turkey , Istanbul
Oct. 4, 2027	Oct. 8, 2027	5 days	4950.00 \$	Italy , Rome

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