



Artificial Intelligence and Innovation

Advance tools and application of AI in Microsoft Azure

- Location: London
- Date: From 3/3/2025 To 7/3/2025
- Investment: \$5950 (Excluding VAT)



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Course Introduction

This 5-day intensive course dives deep into the advanced tools and applications of Artificial Intelligence (AI) within the Microsoft Azure cloud platform. Participants will gain hands-on experience with cutting-edge AI services, learn to develop and deploy AI-powered solutions, and explore best practices for building and managing AI initiatives on the Azure platform.

Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation
- slides and handouts
- Post-assessment





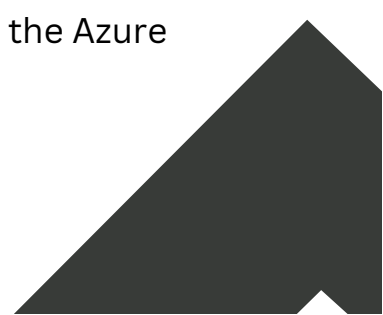
Course Objectives

Upon successful completion of this course, participants will be able to:

- Understand the core principles of AI and machine learning.
- Leverage advanced AI services within the Azure ecosystem, such as Azure Machine Learning, Azure Cognitive Services, and Azure OpenAI Service.
- Develop, train, and deploy machine learning models using Azure Machine Learning.
- Integrate AI capabilities into existing applications and workflows.
- Utilize AI for various business applications, including predictive analytics, computer vision, natural language processing, and more.
- Understand and address the ethical and security considerations of AI in the cloud.
- Design and implement AI solutions that are scalable, reliable, and cost-effective.
- Gain practical experience with AI development tools and best practices within the Azure environment.

Who Should Attend?

This course is designed for a diverse audience, including:

- Data Scientists
 - Machine Learning Engineers
 - Data Engineers
 - Software Developers
 - IT Professionals
 - Solution Architects
 - Anyone interested in developing and deploying AI solutions on the Azure platform
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Course Outline

Day 1: Foundations of AI and Azure

- Introduction to Artificial Intelligence: Key Concepts, Algorithms, and Applications
- Overview of the Microsoft Azure Platform
- Core AI Services in Azure: Azure Machine Learning, Azure Cognitive Services, Azure OpenAI Service
- Introduction to Cloud Computing and its role in AI

Day 2: Machine Learning with Azure Machine Learning

- Data Preparation and Feature Engineering
- Model Training and Evaluation
- Model Deployment and Monitoring
- Hyperparameter Tuning and Model Optimization
- Hands-on Lab: Building and Deploying a Machine Learning Model using Azure Machine Learning

Day 3: Azure Cognitive Services Deep Dive

- Computer Vision: Image recognition, object detection, facial recognition
- Natural Language Processing (NLP): Text analysis, sentiment analysis, translation
- Speech Services: Speech-to-text, text-to-speech, speech translation
- Hands-on Lab: Building AI-powered applications using Azure Cognitive Services APIs

Course Outline

Day 4: Advanced AI Topics

- Deep Learning with Azure: Neural networks, deep learning models, and their applications
- AI for Business: Case studies and real-world applications of AI in various industries
- Ethical Considerations in AI: Bias, fairness, and responsible AI development
- Security and Privacy in AI: Protecting data and ensuring the security of AI models

Day 5: Future of AI and Azure

- Emerging Trends in AI: Generative AI, AI for IoT, Edge AI
- The Future of Azure and its role in the AI landscape
- Best Practices for AI Development and Deployment in Azure
- Hands-on Project: Developing a simple AI application using Azure services

Registration & Payment

Complete & Mail to London Royal Academy or email
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Registration Form

- Full Name (Mr / Ms / Dr / Eng)
- Position
- Telephone / Mobile
- Personal E-Mail
- Official E-Mail
- Company Name
- Address
- City / Country

Payment Options

- Please invoice me
- Please invoice my company





Terms & Conditions

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Cancellation and Refund Policy

Delegates have 14 days from the date of booking to cancel and receive a full refund or transfer to another date free of charge. If less than 14 days' notice is given, then we will be unable to refund or cancel the booking unless on medical grounds. For more details about the Cancellation and Refund policy, please visit

www.londonra.com/terms-and-conditions/

Registration & Payment

Please complete the registration form on the course page & return it to us indicating your preferred mode of payment. For further information, please get in touch with us

Course Materials

The course material, prepared by the LRA, will be digital and delivered to candidates by email

Certificates

Accredited Certificate of Completion will be issued to those who attend & successfully complete the programme.

Travel and Transport

We are committed to picking up and dropping off the participants from the airport to the hotel and back.



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THANK YOU

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