

Azure AI workshops

Agenda

Customer

Date

Workshop Prerequisites



Activate and Access an
[Azure Subscription](#)



Create an Azure Machine
Learning Workspace in the
Azure Portal : [LINK HERE](#)



Account for Azure DevOps
: [LINK HERE](#)



Prerequisites by Role

App Developers : VS Code, Python

ML Engineers : No prerequisites

Citizen Data Scientists : Python,
Jupyter Notebooks

Business Data Scientists : No
prerequisites

Enterprise Architects : Cloud
Policies and Security



Recommended Azure ML
training on Microsoft
Learn

ML with Code:

<https://docs.microsoft.com/en-us/learn/paths/build-ai-solutions-with-azure-ml-service>

ML with No Code / Low Code:

<https://docs.microsoft.com/en-us/learn/paths/create-no-code-predictive-models-azure-machine-learning>

ML at the Edge for IoT:

<https://docs.microsoft.com/en-us/learn/paths/ai-edge-engineer>

Workshop 1

Azure ML fundamentals

- Presentation and demo of Azure ML.
- Presentation of Azure documentation resources & certifications path.

Workshop 2

Azure ML fundamentals

- Hands-on labs:
 - Azure ML experimentations
 - AutoML with Azure ML Python SDK
 - Estimators with Azure ML Python SDK
 - Interpretation & Fairness of ML models
 - Hyperparameter tuning with Azure ML
 - Model deployment



Workshop 3

No Code with Azure ML

- Hands-on labs:
 - AutoML graphical user interface
 - Azure ML Designer interface for building no code pipelines
 - Use case: Anomaly detection with Azure ML Designer
 - PowerBI Integration

Workshop 4

Azure Computer Vision

- Introduction to Azure Cognitive Services.
- Deep dive on Azure Computer Vision presentation.
- Hands-on lab:
 - Training of a custom vision model
 - Validation and deployment of a custom vision model



Workshop 5

MLOps

- Introduction to MLOps
- Hands-on lab:
 - Implementing CI/CD pipeline using GitHub Action & Azure DevOps

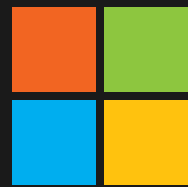


Workshop 6

Azure Databricks

- Azure Databricks presentation
- Hands-on lab:
 - Data preparation
 - ML
 - Model deployment
 - Azure ML integration





Microsoft Azure

Be future
ready

Build on
your terms

Operate hybrid
seamlessly

Trust
your cloud