Training: Microsoft

DP-604T00: Implement a data science and machine learning solution for AI with Microsoft Fabric

Microsoft Partner

TRAINING GOALS:

This course is designed to build practical skills in implementing data science and machine learning solutions using Microsoft Fabric. The course explores the complete end-to-end data science process, from understanding and exploring data to preparing and transforming datasets for analysis. Students will learn how to train, evaluate, and track machine learning models, as well as how to deploy those models and generate predictions using Microsoft Fabric tools and capabilities.

Audience Profile:
This course is intended for data professionals and practitioners who regularly work with machine learning models and are responsible for building, evaluating, and deploying data science solutions. Students should already be familiar with the data science process, Python, and common open-source machine learning frameworks such as scikit-learn.

Skills earned upon completion:
- Implement a data science and machine learning solution for AI in Microsoft Fabric

CONSPECT:

- Implement a data science and machine learning solution for AI in Microsoft Fabric
  - Module 1: Introduction to end-to-end analytics using Microsoft Fabric
  - Module 2: Get started with data science in Microsoft Fabric
  - Module 3: Explore data for data science with notebooks in Microsoft Fabric
  - Module 4: Preprocess data with Data Wrangler in Microsoft Fabric
  - Module 5: Train and track machine learning models with MLflow in Microsoft Fabric
  - Module 6: Generate batch predictions using a deployed model in Microsoft Fabric

REQUIREMENTS:

Familiarity with the data science process, Python, and common open-source machine learning frameworks such as scikit-learn. Familiarity with basic data concepts and terminology.

Compendium Centrum Edukacyjne Spółka z o.o.
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77
ul. Postępu 18B, 02-676 Warszawa, tel.: (22) 417 41 70
BNP Paribas Bank Polska S.A.
EUR: PL 79 1600 1462 1853 6451 3000 0006
USD: PL 52 1600 1462 1853 6451 3000 0007

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Microsoft (course completion).

TRAINER:

Microsoft Certified Trainer (MCT)

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