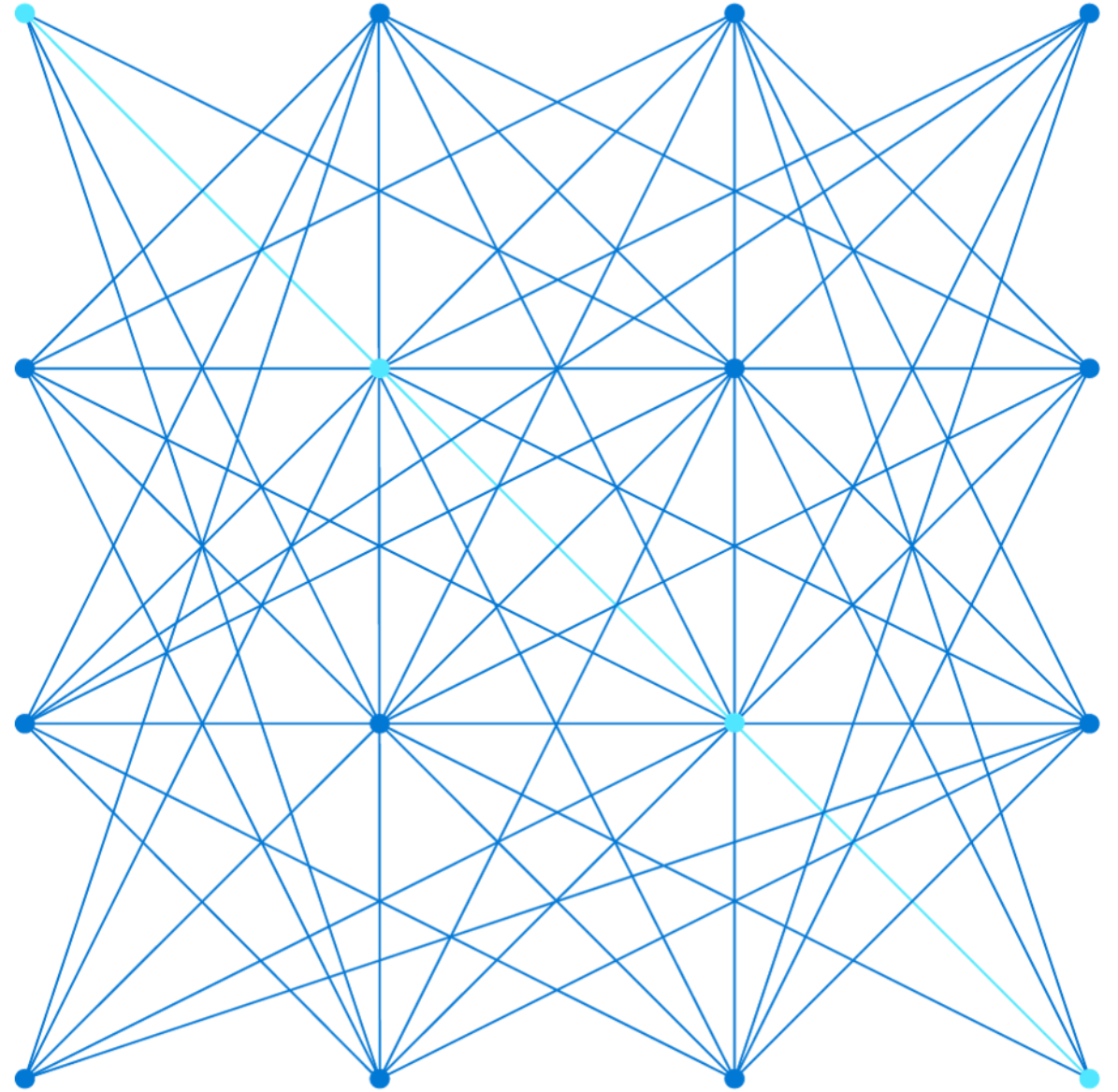


DP-100: Data Science on Azure



Presenter



Mohammed Arif, PhD
Lead Data Scientist
Big Data | Machine Learning | AI



Mohammed Arif has more than fifteen (15) years of working experience in Information Communication and Technology (ICT) industry. The highlights of his career are more than six (7) years of holding various senior management and/or C-Level and had five (5) years of international ICT consultancy exposure in various countries (APAC and Australia), specially on Big Data, Data Engineering, Machine Learning and AI arena.

He is also Certified Trainer for Microsoft.

 /arifmazumder



All Resources in one page

<https://arif.works/dp100/>

About this course

What we'll cover:

In this course, you will learn how to design and create a suitable working environment for data science workloads on Microsoft Azure. You'll learn how to explore data, train machine learning models, implement pipelines, run jobs to prepare for production, and how to manage, deploy, and monitor scalable machine learning solutions with Azure Machine Learning.

Intended audience:

The primary audience for this course is data scientists who want to learn about data science and managing machine learning models on Microsoft Azure. The secondary audience for this course includes data analysts and aspiring data scientists who work want to become familiar with Azure Machine Learning.

You should already have fundamentals knowledge of the types services on Microsoft Azure that you can use to create artificial intelligence solutions, equivalent to the [Microsoft Azure AI Fundamentals](#) certification.

Course agenda

- Design a machine learning solution
- Explore the Azure Machine Learning solution
- Make data available in Azure Machine Learning
- Work with compute in Azure Machine Learning
- Use no-code machine learning with the Azure Machine Learning Designer
- Automate machine learning model selection with Azure Machine Learning
- Use notebooks for experimentation in Azure Machine Learning
- Train models with scripts in Azure Machine Learning
- Optimize model training in Azure Machine Learning
- Manage and review models in Azure Machine Learning
- Deploy and consume models with Azure Machine Learning
- Design a machine learning operations (MLOps) solution

Hands-on exercises

This course includes hands-on exercises and demonstrations to enable you to learn practical skills with the technologies.

Each exercise is *standalone* and includes a setup script to prepare the lab environment. This design:

- Eliminates inter-lab dependencies, enabling you to complete the hands-on activities you want to in any order
- Ensures that mistakes made, or issues encountered in one lab do not affect subsequent labs
- Minimizes service utilization, reducing costs and ensuring responsible use of energy and cloud resources

You can complete the hands-on exercises using your own Azure subscription or a subscription provided by the authorized lab host supporting your class

Certification

This course helps you prepare for the DP-100: *Designing and Implementing a Data Science Solution on Azure* exam

Visit <https://aka.ms/data-scientist-cert> for details of the skills you must demonstrate to achieve this certification

