



BYTEWISE FELLOWSHIP ON DATA ENGINEERING



Presented by:
UMER HASSAN KHAN

Covered Today

- A brief outline

- Introduction

Topics & Tools Covered in fellowship

- Sessions Attended

Achievements

- 1.
- 2.
- 3.
- 4.

INTRODUCTION





UMER HASSAN KHAN

- Student of NUML Islamabad BS Software Engineering 4th Semester
- From Attock.



TOPICS & TOOLS

TOPICS &TOOLS COVERED

1

**Started with SQL server and
built in functions**

2

Joins & its types

3

SQL Unions

4

**GROUP BY STATEMENT & OVER
STATEMENT**

TOPICS &TOOLS COVERED

5

DDL, DML, DQL

6

Subqueries, Views & Stored Procedures

7

Intro to Data engineering and data warehouse

8

Data Lakes & ETL

9

ETL Tools

TOPICS &TOOLS COVERED



9

SCD Implementation

10

AWS INTRODUCTIONS,
ACCOUNT CREATION, MFA

11

DATA INGESTION AND
TRANSFORMATION WITH AWS
GLUE

12

HACKERRANK PROBLEMS
BASIC, INTERMEDIATE

DATABRICKS COURSE



Azure Databricks & Spark Core
For Data Engineers(Python -
SQL)

1

2

3

4

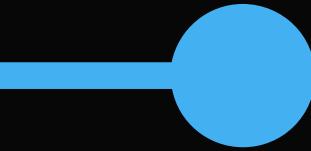
CLUSTERS, NOTEBOOKS

DATA INGESTION,
TRANSFORMATION AND LOAD
USING SPARK

SPARK SQL

INCREMENTAL LOAD

AZURE TOOLS



1

Azure storage account

2

Resource groups

3

Azure SQL Database

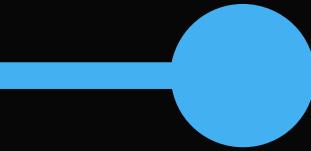
4

AZURE DATABRICKS

5

CLUSTERS

AWS TOOLS



1

AWS Crawlers

2

AWS GLUE

3

AWS JOBS

SESSIONS ATTENDED

SESSIONS ATTENDED

1

MLSA SESSION ON **AZURE DATABRICKS**
WITH USMAN KHAN & ABUBAKAR SATTAR

2

DATA ENGINEERING SESSION WITH
USMAN KHAN USING **AZURE**

3

MICROSOFT AZURE FUNDAMENTALS
SESSION (AZ-900)

4

MICROSOFT AZURE DATA
FUNDAMENTALS SESSION (DP-900)

5

DATABRICKS LAKEHOUSE PLATFORM
ADMINISTRATOR SESSION

6

HACKTOBERFEST 22 at 10Pearls
Islamabad.

ACHIEVEMENTS

HACERRANK BASIC CERTIFICATION



HACERRANK INTERMEDIATE CERTIFICATION



DATABRICKS LAKEHOUSE FUNDAMENTALS



Umer Hassan Khan

has successfully completed the requirements to obtain
the following Databricks Academy Accreditation:

Databricks Accredited Lakehouse Fundamentals

Date of Issue:

September 27, 2022

Date of Expiration:

September 27, 2023



A handwritten signature in black ink.

Jody Soeiro de Faria
Sr. Director, Curriculum & User Success

MICROSOFT AZURE FUNDAMENTALS (AZ-900)



UMER HASSAN KHAN

(Legal name: UMER HASSAN KHAN)

has successfully achieved the certification

Microsoft Certified: Azure Fundamentals

Date of achievement: November 19, 2022

Certification Number: I492-9495

A handwritten signature in black ink that reads "Satya N." followed by a dot.

Satya Narayana Nadella

MICROSOFT AZURE: DATA FUNDAMENTALS (DP-900)



UMER HASSAN KHAN

(Legal name: UMER HASSAN KHAN)

has successfully achieved the certification

Microsoft Certified: Azure Data Fundamentals

Date of achievement: November 29, 2022

Certification Number: I504-4197

A handwritten signature in black ink that appears to read "Satya N." or "Satya Nadella".

Satya Narayana Nadella

Thank You

