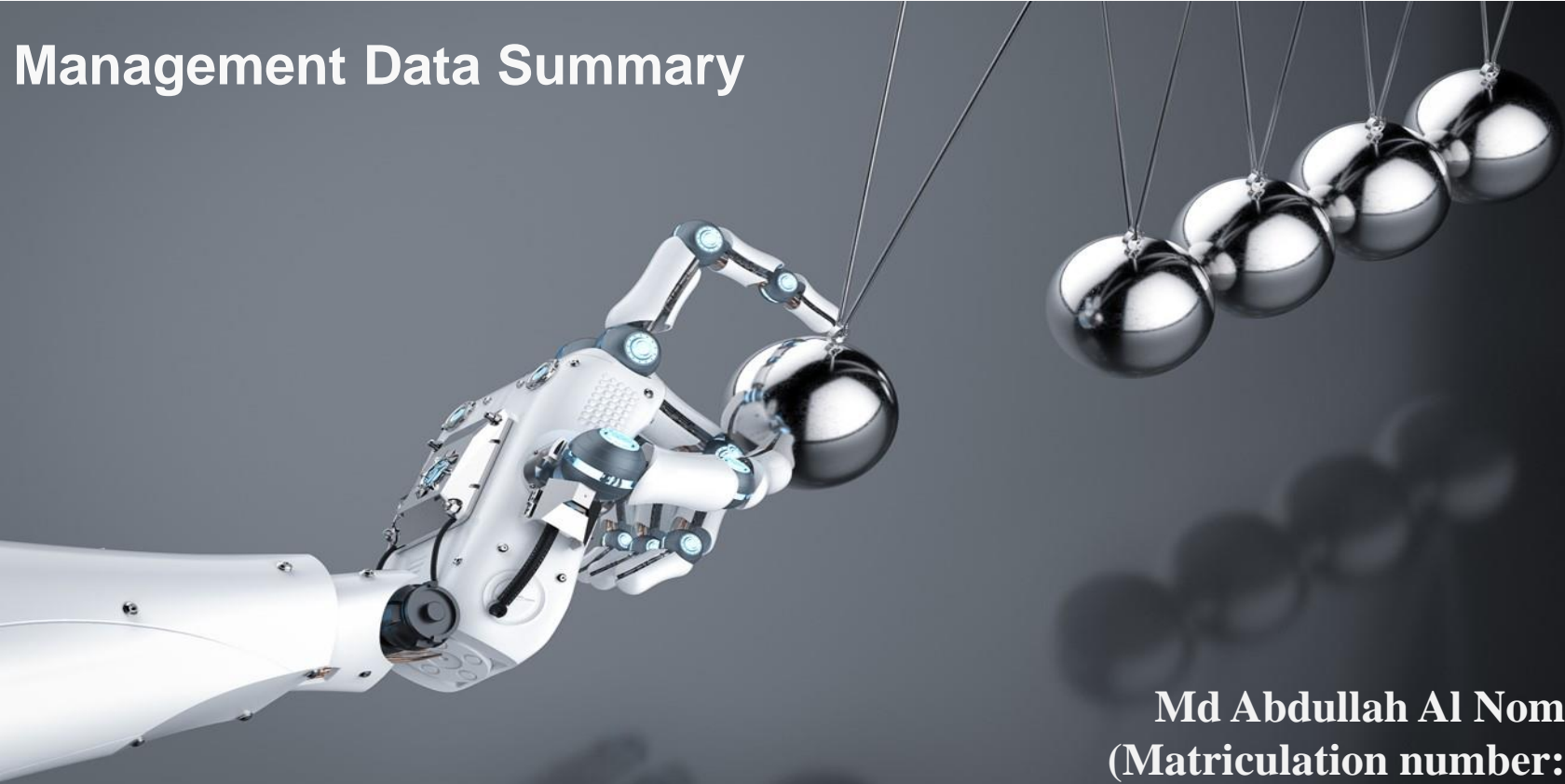


# Management Data Summary



**Md Abdullah Al Noman Mridha**  
**(Matriculation number: 30494592)**

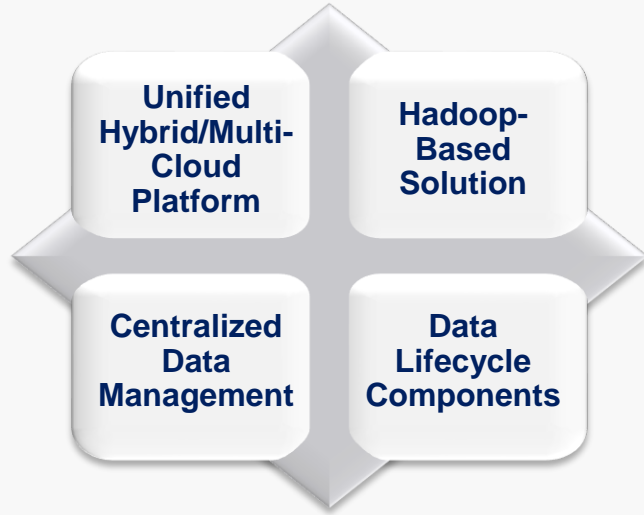
# CLOUDERA

## Cloudera Overview

Cloudera is a leading data company that provides a hybrid data platform designed for data engineering, data warehousing, machine learning, and analytics. Founded in 2008, Cloudera pioneered the development of open-source big data platforms based on Apache Hadoop



# Cloudera: Enterprise Data Management



1. Cloudera offers a unified platform for large-scale data engineering, analytics, ML & Governance
2. Specialises in Hadoop-based solutions tailored for complex data workflows.
3. Cloudera Data Platform (CDP) centralizes the entire data lifecycle management
4. CDP manages data ingest, processing, analysis and governance seamlessly.



# Cloudera's Data Management Features



## Data Governance with SDX

SDX enforces consistent security, metadata and compliance policies for data governance.



## Scalability Across Clouds

Cloudera supports petabytes of data across hybrid clouds including AWS, Azure and on-prem solutions.



## Analytics and Machine Learning Tools

Tools like Cloudera Machine Learning (CML) enable self-service analytics and insights.



## Robust Security Features

Cloudera offers role-based access control (RBAC), encryption and audit trails for security.





# IBM Cloud

## IBM Cloud Overview

IBM Cloud is a comprehensive cloud computing platform developed by IBM that offers both infrastructure-as-a-service (IaaS) and platform-as-a-service (PaaS) capabilities. It supports a wide range of services including compute, storage, artificial intelligence, analytics, DevOps, and security.



# IBM Cloud: AI-Driven Data Management



## Full-stack Cloud Platform

Offers a comprehensive cloud solution with AI/ML capabilities, enhancing data workflows.



## AI/ML Integration

Utilizes IBM Watson for intelligent automation and data analysis, improving decision-making.



## Hybrid Cloud Leadership

Leverages Red Hat OpenShift for seamless integration across multiple cloud environments.



## IBM Cloud Pak for Data

A unified platform facilitating data integration, governance and AI automation for enterprises.



## Target Users

Designed for enterprises seeking AI-driven insights and flexibility in hybrid/multi-cloud setups.



# IBM Cloud – Key Features for Data Management

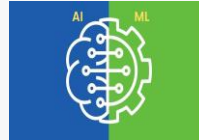
## Data Integration with Watson Query

Enables federated queries across distributed data sources, enhancing data accessibility.



## AI and ML Integration

Utilizes Auto AI for automated model building and Watson Studio for collaborative machine learning.



## Hybrid Cloud Capabilities

Facilitates seamless data portability across public, private and on-premise environments.



## Robust Security Features

Offers 'Keep Your Own Key' encryption and ensures GDPR Compliance for data protection.



# IBM Cloud AI-Ready Infrastructure Foundations



## IBM Cloud Foundational





# Thank you!

Do you have any questions?

