MASTER IN DATA SCIENCE

ALTERNATIVE ASSESSMENT 1

COURSE CODE   : WQD7009

COURSE TITLE   : Big Data Application and Analytics

NAME   : Nur Hidayah binti Ahmad Shafii

MATRIC NUMBER : 22120931

LECTURER   : Dr Riyaz Ahamed Ariyaluran Habeeb Mohamed

1 Introduction

This module covers structured approach for data collection, data pipeline process and cloud-based data transformation strategies. It also highlights the benefits and challenges of using cloud services which essential for cloud specialist and data analyst roles. The SQL hands-on practice in this module will prepare us in terms of data query for future job roles.
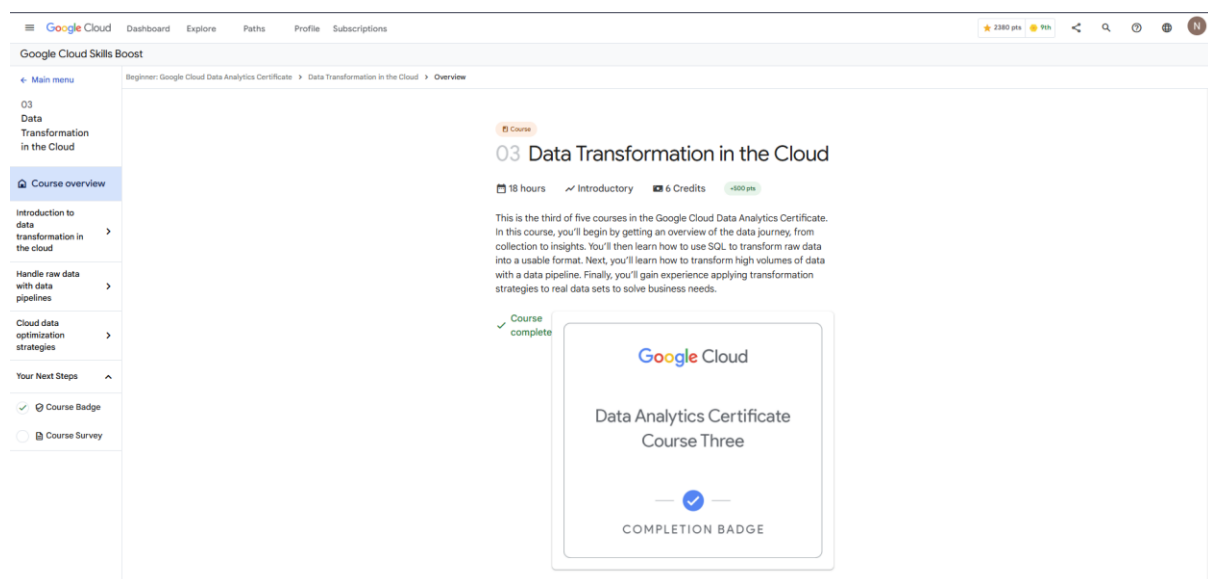
(55 words)

2 Lessons Learned

I learned about data ingestion method and data anonymization with GenAI. It's important for my future career as I need to design a pipeline that tailored the organisational needs and use GenAI to ensure data privacy and regulatory compliance. I also improved my SQL skills from the hands-on practices and provided notes. Understanding the process to extract and summarize large datasets will help me gain deeper insights in future. For example, I can use the RFM method to segment customers and identify high-value customers for targeted marketing strategies. The main challenge was selecting efficient data ingestion tools because it requires familiarity with tool capabilities.
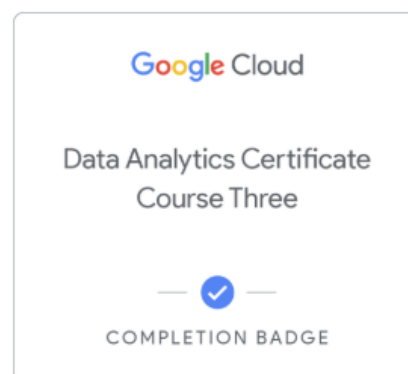
(105 words)

3 Evidence

Congratulations!

You've completed Data Transformation in the Cloud!

Google Cloud

Data Analytics Certificate
Course Three

COMPLETION BADGE

Google Cloud   Dashboard   Explore   Paths   Profile   Subscriptions   ★ 2380 pts   9th   <   Q   ?   ⊕   N

Google Cloud

Data Analytics Certificate
Course One

COMPLETION BADGE

01 Introduction to Data Analytics in Google Cloud

📄 Course   ⊙ 18 hours
〜 Introductory   +500 pts

This is the first of five courses in the Google Cloud Data Analytics Certificate. In this course, you'll define the field of cloud data analysis and describe roles and responsibilities of a cloud data analyst as they relate to data...

✓ Course complete

Google Cloud

Data Analytics Certificate
Course Two

COMPLETION BADGE

02 Data Management and Storage in the Cloud

📄 Course   ⊙ 26 hours 15 minutes
〜 Introductory   +500 pts

This is the second of five courses in the Google Cloud Data Analytics Certificate. In this course, you'll explore how data is structured and organized. You'll gain hands-on experience with the data lakehouse architecture and cloud components like BigQuery, Google...

✓ Course complete

Google Cloud

Data Analytics Certificate
Course Three

COMPLETION BADGE

03 Data Transformation in the Cloud

📄 Course   ⊙ 18 hours
〜 Introductory   +500 pts

This is the third of five courses in the Google Cloud Data Analytics Certificate. In this course, you'll begin by getting an overview of the data journey, from collection to insights. You'll then learn how to use SQL to transform...

✓ Course complete

4 Public Profile

Link: https://www.cloudskillsboost.google/public_profiles/3b166e45-19d3-40a7-add6-4519b915175d