

## Data Analytics in Google Cloud Platform

### Module 1: Introduction to Data Analytics in GCP

- Overview of data analytics in the cloud environment.
- Introduction to GCP and its data analytics services.
- Comparison of GCP with other cloud providers.

### Module 2: Data Ingestion in GCP

- Introduction to Cloud Storage.
- How to import and export data to/from Cloud Storage.
- Overview of BigQuery for data warehousing.
- How to ingest data into BigQuery.

### Module 3: Data Processing in GCP

- Introduction to Dataflow for data processing.
- How to create and deploy a Dataflow pipeline.
- Introduction to Dataproc for data processing.
- How to create a Dataproc cluster.

### Module 4: Data Transformation in GCP

- Overview of Cloud Dataprep for data transformation.
- How to transform and clean data using Cloud Dataprep.
- Introduction to Cloud Functions for data transformation.
- How to write and deploy a Cloud Function.

### Module 5: Data Visualization in GCP

- Introduction to Data Studio for data visualization.
- How to create a dashboard in Data Studio.
- Overview of Looker for data visualization.
- How to create a Looker dashboard.

### Module 6: Building a Scalable Data Analytics Pipeline in GCP

- Overview of the end-to-end data analytics pipeline.
- How to design and implement a scalable data analytics pipeline in GCP.
- Best practices for building and deploying data analytics pipelines in GCP.