

# AKSHITHA CHEERLA

Programmer Analyst | Data Engineer | Google Cloud Platform

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Hyderabad,India

SUMMARY

Motivated and results-driven Cloud Data Engineer with hands-on experience in Google Cloud Platform(GCP). Proven expertise in data ingestion, migration, and quality assurance within a large-scale Enterprise environment. Proficient in leveraging GCP services like GCS, Big Query and Composer Airflow to build and manage robust data pipelines. Experience with both ingress and egress data flows,migrating data between Teradata and Big Query. Seeking to apply technical skills and experience to contribute to challenging and innovative team.

EXPERIENCE

Programmer Analyst

Cognizant

- 08/2024 - Present

Hyderabad,India
- Designed and implemented data ingestion pipelines for both ingress and egress data flows using GCP services.
  - Designed and deployed Data Processing Framework (DPF) and User-Defined Functions (UDFs) to handle complex data transformations during ingestion.
  - Led successful migration of 10TB+ of data from Teradata to BigQuery with zero data loss.
  - Utilized Composer (Apache Airflow) to orchestrate complex data workflows, managing dependencies and ensuring timely data processing.
  - Worked on historical data loading, backfilling, manual DAG execution, failure handling, and data validation across multiple dependent pipelines.
  - Automated 100+ Data Quality checks using Data buck, improving data reliability.
  - Enabled anomaly detection and alerting for 100+ data pipelines, improving observability.
  - Classified metadata for 500+ datasets, enhancing data governance and discoverability
  - Contributed to the development of CI/CD pipelines using tools like Jenkins and GitLab CI/CD to automate the deployment of data pipelines and infrastructure.
  - Wrote and maintained scripts for automation, improving operational efficiency and reducing manual effort.
  - Collaborated with cross-functional teams to understand and fulfill data requirements.
  - Operated in a fast-paced, Agile environment, participating in daily stand-ups, sprint planning, and retrospectives.

Intern

Cognizant

- 12/2023 - 05/2024

Chennai, India
- Acquired comprehensive knowledge in DBMS, SQL, and ETL processes.
  - Expertise in utilizing SQL for database management,integrating data with SSIS package in SSMS
  - Created insightful visualizations using Power BI and worked on basic ETL processes using Azure portal.

EDUCATION

Bachelor of Science in Computer Science(ECE)-82%

Geethanjali College of Engineering and Technology

08/2019 - 05/2023

Telangana, India

PROJECTS

3PCOE-Verizon Project

Managed 3rd-party data from external sources including Egress/Ingress feeds and migrating data between Teradata and GCP based on vendors specifications for the Verizon project.

KEY ACHIEVEMENTS

- Contributed Innovative Algorithms

Designed and implemented optimized transformation logic and data processing algorithms, improving pipelines performance by 15-20% and enhancing overall efficiency.
- Award & Recognition

Awarded for consistent performance and contribution to enterprise-scale date migration and pipeline automation projects.
- Led Successful data rollouts

Critical data migration projects,reducing processing time by 30% and enhancing overall data quality.

SKILLS

Cloud Platform

Google Cloud Platform(GCP)

GCP services

GCS

Airflow

Dataflow

DataProc

Cloud Function

DPF

Databases

BigQuery

MySQL

Teradata

Data Tools

Data buck

Data Observability

Visual Studio Code

CI/CD

GitLab Repository

Jenkins

Scripting Languages

Python

JSON

COURSES

Certified Google Associate Cloud Engineer

Compute Engine,Kubernetes Engine,App Engine,Cloud Run,Storage, BQ,Networking,IAM,and Monitoring.

Certified Google Generative AI Leader

LLMs,NLPs,RAG,APIs