

AAVINASH

DATA ENGINEER

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 Chennai,Tamilnadu

 <https://aavinash1083.github.io>

 [Linkedin](#)

PROFESSIONAL SUMMARY

Data Engineer with hands-on experience in ETL pipelines, analytics, and business intelligence using Python and SQL. Skilled in cloud data solutions on GCP and AWS, including BigQuery, Cloud Storage, Dataflow, Snowflake, Athena, and BI tools like Tableau and QuickSight.

SKILLS

Programming: Python, SQL

Cloud: GCP (BigQuery, Cloud Storage, Pub/Sub, Cloud Run, Dataflow), AWS

Data Engineering: ETL, Apache Beam, Data Pipelines

BI & Analytics: Tableau, QuickSight, Reporting, Dashboards

Databases: Snowflake, MSSQL, AWS Athena

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EDUCATION

B E MECHATRONICS

Chennai Institute Of Technology
2017 - 2021

CGPA : 8.39

EXPERIENCE

SOFTWARE PROGRAMMER

Virtueworks Inc.

Jun 2023 - Sept 2025

- Developed 10+ operational dashboards on Tableau and Quicksight, reducing manual reporting time by 20%.
- Optimized Snowflake queries and procedures that improved dashboard data loading time by 15% for over 500,000 records.

GCP DATA ENGINEER

Document IT

Feb 2023 - May 2023

- Created 3 Python-based data pipelines utilizing GCP APIs to automate daily data ingestion, reducing latency by 5%.
- Documented the Standard Architectural Design Plan (SADP) for a new system that supported the processing of 1 million daily transactions.

PYTHON DEVELOPER INTERN

Tactlabs

Aug 2022 - Feb 2023

- Implemented AES 256-bit encryption for sensitive customer data, securing over 5,000 user accounts.
- Developed a Proof-of-Concept ML classification model in Python that achieved 85% accuracy on a test dataset.

LANGUAGES

- English
 - Reading - Proficient
 - Writing - Proficient
 - Speaking - Intermediate
- Tamil
 - Reading - Proficient
 - Writing - Intermediate
 - Speaking - Advanced
- Hindi
 - Reading - Proficient
 - Writing - Intermediate
 - Speaking - Beginner

CERTIFICATIONS

- Machine Learning Workshop in IIT Madras Research Park
- Business App development using ZOHO Creator Training
- Python online course certification in GUVI Technology
- SQL Fundamentals in SOLEARN
- AI For Everyone Online course in Coursera
- Machine Learning online course in Pluralsight
- SQL Basic and intermediate Certification in Hackerrank
- Oracle AI for you course completed and obtained a badge

SYSTEM ENGINEER

- Vue Data Technology
May 2021 - Aug 2022
- Designed and maintained 12+ custom dashboards using client data, leading to a 40% increase in client data transparency.
 - Analyzed customer datasets consisting of over 500,000 records to identify key demographic trends for marketing campaigns.

PROJECTS

1. SALES PERFORMANCE DASHBOARD

TOOLS : Tableau, SQL, Snowflake
GitHub: <https://github.com/Aavinash1083/Sales-Dashboard-Snowflake-Tableau>

2. End-to-End Data Pipeline using Python & Google Cloud

TOOLS : Python 3.11, Google Cloud Storage, BigQuery, Pandas, gcloud (ADC)
GitHub: <https://github.com/Aavinash1083/gcp-python-data-pipeline>

3. Real-Time Order Processing using Python & Google

Pub/Sub
TOOLS : Python 3.11, Google Cloud Platform (GCP), Google Cloud Pub/Sub , GCP CLI (gcloud) , Real-Time Data Streaming)
GitHub: <https://github.com/Aavinash1083 realtime-orders-gcp>

4. Serverless Cloud Project on Google Cloud (GCP)

TOOLS : Python , Flask , Google Cloud Run, Google BigQuery, Docker
GitHub: <https://github.com/Aavinash1083/cloudrun-orders-gcp>

5. GCP Dataflow Batch ETL Pipeline (Apache Beam |

BigQuery)
TOOLS : Google Cloud Platform (GCP), Dataflow , Apache Beam, BigQuery , Cloud Storage , Python , ETL Pipelines
GitHub: <https://github.com/Aavinash1083/Dataflow-project>