

# Choudhury Durga Prasad

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## Summary

Results-oriented Data Engineer with over 4+ years of experience delivering scalable, cloud-native data solutions across AWS, Microsoft Azure, and Google Cloud Platform (GCP). Certified in all three platforms, I specialize in PySpark, DBT, Snowflake, Python, and SQL to design, build, and optimize data pipelines that drive real-time analytics and data-driven decisions. Proven track record in delivering real-time data solutions and actionable insights. Seeking to leverage expertise to drive impactful data-centric solutions.

## Professional Experience



### Data Engineer II / Analytical Data Engineer II

Softborne Technology Solutions Pte. Ltd.

Sep 2023 – Present

- Collaborated with the product management team to identify and prioritize new feature opportunities, leading to timely implementation.
- Designed and optimized scalable data models in Reactor Data using Snowflake and BigQuery, improving query performance and reducing processing time.
- Developed and maintained real-time and batch data pipelines using BigQuery, Dataflow, Pub/Sub, **and** Cloud Composer to support data availability in dashboards and analytics.
- Built Python-based transformations and leveraged Apache Beam and Spark for large-scale data processing.
- Used Source Links to join and map multiple data sources into unified schemas.
- Tuned complex SQL queries in Snowflake and BigQuery to optimize performance and manage large-scale retail datasets.
- Worked closely with cross-functional teams to implement tailored data solutions.
- Conducted thorough validation and reconciliation checks between source systems and data warehouse to ensure 99%+ data accuracy.
- Built custom RESTful API connectors using Airbyte for ingesting external data sources.
- Deployed and managed connectors using Cloud Functions and Cloud Run for scalable and serverless execution.
- Developed dynamic dashboards to track KPIs such as sales performance and customer lifetime value.
- Created and maintained transformation logic using **DBT**, promoting modular, testable, and reusable data models.



### Data Engineer I

KPI Partners

Jul 2022 – Jul 2023 (12 months)

- Created data pipeline using Apache Airflow, Python, and AWS to store weekly raw data.
- Designed a multi-user, multi-database app for processing thousands of records.
- Managed SQL and NoSQL data modelling using Big Query, Snowflake, and Amazon DynamoDB for scalable data collection and structured storage.
- Collaborated with cross-functional teams for pipeline design and business needs.
- Developed scalable data ingestion processes and optimized ETL workflows.
- Implemented data quality checks and monitoring mechanisms for data integrity.



## Associate Professional Software Engineer

DXC Technology

Aug 2021 - Jun 2022 (11 months)

- Developed and maintained scalable data pipelines using Azure Data Factory and Databricks.
- Optimized data storage and retrieval using Azure Synapse Analytics and Delta Lake.
- Implemented data security best practices with Azure Key Vault and Role-Based Access Control (RBAC).
- Monitored and troubleshooted data pipeline failures using Azure Monitor and Log Analytics.
- Designed and implemented data models for efficient querying and reporting.
- Automated ETL processes to streamline data ingestion and transformation.
- Collaborated with data analysts and stakeholders to ensure data accuracy and consistency.
- Conducted performance tuning of SQL queries and Spark jobs for optimal execution.



## Cyber Security Intern

Cyber Crime Cell, Gurugram Police

Jun 2021 - Jul 2021 (2 months)

- Provide first-level compliance monitoring and investigations. Assist with forensics analysis and fact gathering. Assist with vulnerability assessments and penetration testing for specific applications, services, networks, and servers as required.



## Google Cloud Ready Facilitator

Google

Apr 2021 - Jun 2021 (3 months)

- The Google Cloud Ready Facilitator program will introduce you to Computing, Application Development, Big Data & Machine Learning using Google Cloud's training platform called Qwiklabs.
- I learned each of these topics using self-paced labs that provide you temporary credentials to Google Cloud Platform, so you can learn the cloud using the Real thing – no simulations



## Project Trainee

DXC Technology

Feb 2021 - Apr 2021 (3 months)

- The project aims to analyze and identify the data quality issues and strategies to mitigate these Issues in the given data. We need to start with a PowerPoint presentation that outlines the approach that we will be taking.
- The client has agreed on a 3-week scope with the following 3 phases as follows Data Exploration, Model Development

## Projects:

- **Shopping Sales Project:** Developed an end-to-end data pipeline using AWS services and Airflow for reporting from Google Sheets API data.
- **Data Pipeline Automation:** Automated data extraction, transformation, and loading using Apache Airflow.
- **Real-time Data Streaming:** Implemented a real-time data ingestion system with Spark Streaming.
- **Gender and Age Detection System:** Built an image recognition model to predict gender and age.
- **Customer Segmentation System:** Utilized R and clustering techniques for customer segmentation.
- **Flight Delay Prediction Model:** Developed a model for predicting flight delays.

## Education



### **Aditya Institute of Technology and Management**

B. Tech degree, Electronics and Communication Engineering

2017 – 2021

CGPA: 6.8



### **Sri Chaitanya Junior College**



Higher Secondary School Certificate

2015 - 2017



### **Ravindra Bharathi School, Pathapatnam**

High School Diploma

2012 – 2015

CGPA: 8.2

## Licenses & Certifications



### **Google Cloud Certified Professional Data Engineer - Google**

Issued May 2024 - Expires May 2026

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### **Microsoft Certified: Azure Data Engineer Associate - Microsoft**

Issued Apr 2023 - Expires Apr 2025

I703-3125



### **Microsoft Certified: DevOps Engineer Expert - Microsoft**

Issued Jun 2022 - Expires Jun 2025

I317-8196



### **Microsoft Certified: Azure Developer Associate - Microsoft**

Issued May 2022 - Expires Jun 2025

I288-9769



### **Microsoft Azure Administrator Associate - Microsoft**

Issued Apr 2022 - Expires Apr 2025

I233-3068



### **AWS Certified Data Engineer - Associate - Amazon Web Services (AWS)**

Issued Jun 2025 - Expires Jun 2028

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### **Microsoft Certified: Fabric Analytics Engineer Associate - Microsoft**

X525F0-DE5E74 Issued Jan 2025 - Expires Jan 2026



### **Microsoft Certified: Azure Data Fundamentals - Microsoft**

I510-9199

## Skills

- Programming Languages: Python, SQL, PySpark, Scala
- Scripting Languages: UNIX, Powershell scripting
- Data Warehousing: Amazon Redshift, Google Big Query, Snowflake, Databricks, DBT, Azure Synapse
- ETL Tools: Apache Airflow,
- Big Data Technologies: Hadoop, Spark, Hive
- Database Systems: MySQL, Oracle
- Data Modeling: Dimensional Modeling, Star Schema, Snowflake Schema
- Data Integration: Extract, Transform, Load (ETL) processes
- Data Visualization: Tableau, Power BI, Sigma Computing
- Cloud Platforms: AWS, Azure, Google Cloud Platform
- Version Control: Git
- MS Office 365, Active Directory, MS Excel, MS Applications.
- Strong problem-solving and analytical skills
- Excellent communication and collaboration abilities

## Languages

- Telugu
- English
- Hindi

## Hobbies

- Reading Newspaper
- Listening Music
- Singing songs
- Researching Mysteries, Archaeology, and Mythology

## Websites

**GitHub:** <https://github.com/durgaprasadpr718>

**Credly:** <https://www.credly.com/users/choudhury-durgaprasad>

**Google Cloud Skills Boost:** [https://www.cloudskillsboost.google/public\\_profiles/c6999496-03ff-4cf6-88b2-be6fb55adac1](https://www.cloudskillsboost.google/public_profiles/c6999496-03ff-4cf6-88b2-be6fb55adac1)

**Portfolio:** <https://durgaprasadchoudhury-portfolio.vercel.app>