

# Krishna Kumar

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## SUMMARY

**Data Engineer** with **7+** years of experience designing, building, and optimizing **scalable data pipelines** and platforms. Expert in **ETL/ELT**, **data warehousing**, and **cloud solutions (GCP)**, with hands-on experience in **SQL**, **Python**, **Spark**, and **Hadoop**.

Proven ability to enable analytics, reporting, and ML workflows by building reliable, high-quality data foundations. Collaborative and open to exploring **ML/AI-driven data solutions**.

## TECHNICAL SKILLS

- **Languages:** Python, SQL, Java
- **Cloud / GCP:** BigQuery, Dataflow (Apache Beam), Pub/Sub, DataProc, Cloud Functions, Cloud Composer, GCS, BigTable, Data Fusion, Cloud SQL, Cloud Scheduler, Airflow
- **Big Data:** Apache Spark, Hadoop, HDFS, Kafka
- **BI Tools:** Tableau, Power BI
- **AWS:** EC2, S3, RDS
- **Database:** MySQL / RDBMS
- **Version Control:** Docker, Kubernetes
- **Version Control:** GitHub, Azure DevOps

## EXPERIENCE

### HCL Tech

*Mar 2024 – Present*

*Technical Lead — Noida, India*

#### **Project: On-Prem to GCP Cloud Data Platform Migration (Finance Domain)**

- Led full migration of enterprise data pipelines from on-prem to GCP, improving system scalability by 40% and operational efficiency by 35%.
- Designed and implemented batch and streaming pipelines to process over 10 TB of financial and transactional data daily.
- Built and optimized BigQuery data models for analytics, reporting, and downstream consumption, reducing query runtime by 30%.
- Developed robust ETL/ELT workflows with automated data quality checks, monitoring, and failure-handling frameworks.
- Partnered with analytics and business teams to deliver scalable, cloud-native data solutions.
- Ensured compliance with cloud security, governance, and performance best practices.

#### **Project: Cloud-Based Data Pipeline Development (Finance Product)**

- Designed and developed scalable batch and streaming pipelines handling 5+ TB of transactional and event-driven data per day.
- Built optimized transformations and curated datasets to support near real-time analytics, reducing pipeline latency by 25%.
- Collaborated with stakeholders to deliver high-quality, reliable data solutions enabling accurate reporting and analytics.
- Applied best practices in pipeline orchestration, performance tuning, and data reliability.
- Supported downstream analytics and ML workflows with clean, well-structured, and trusted data.

### Accenture

*June 2022 – Mar 2024*

*Senior Data Engineer — Noida, India*

- Developed batch and streaming pipelines using GCP Dataflow, Airflow, Pub/Sub, and Python to support data lake migration.

- Built complex BigQuery stored procedures and ETL workflows; implemented Cloud Functions and automated DAGs deployment.
- Worked closely with Business Analysts to gather requirements and deliver high-quality, production-ready pipelines.
- Improved pipeline performance and reliability by 25% through optimization and monitoring frameworks.

**Ericsson Global India Limited***Oct 2021 – June 2022**Data Engineer — Noida, India*

- Built streaming pipelines using GCP Dataflow and processed large-scale financial and network data in BigQuery and Spark.
- Managed cluster and infrastructure using DataProc; delivered KPI insights for network performance improvements.

**Ericsson Global India Limited***Oct 2018 – Sep 2021**Data Analyst — Noida, India*

- Led Tableau dashboard development and reporting solutions for multiple telecom clients.
- Processed batch data using GCP Dataflow templates and Apache Spark; built complex BigQuery views for analytics.
- Performed data analysis using Python (Pandas, NumPy, Matplotlib) and automated processes, achieving 75% time savings.
- Ensured 98% SLA compliance and collaborated with clients for business strategy improvements.

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**EDUCATION****Diploma in Machine Learning and AI** (University of Hyderabad)

2021 – 2022

**B. Tech, Electronics and Communication** (PSIT/AKTU) 78%

2014 – 2018

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**CERTIFICATIONS & AWARDS**

- GCP Associate Cloud Engineer
- AWS Certified Solutions Architect
- Azure Skill Badges
- Python for Data Science (IBM)
- IBM Certified Data Analyst
- Machine Learning Fundamentals & Experiences (Ericsson Managed Services)
- Client Value Creation Award (Accenture); Ericsson ACE Award; Best Performer of the Month (2x); Excellent Service Delivery Award
- Gold Badge for Python on HackerRank