

## Ajit – Data Engineer

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### Professional Summary

Results-driven Data Engineer and Assistant Manager (Analytics) with over **5 years of experience** in data engineering, business intelligence, ML/AI development, and analytics delivery. Proven track record in **SQL, Python, cloud platforms (GCP, Azure, AWS)**, and dashboard/report automation. Strong background in **building ML-based solutions**, managing analytics teams, and integrating **LLMs and GenAI** for intelligent reporting. Recently upskilled in **observability engineering** with hands-on experience in **Grafana, Prometheus, OpenTelemetry**, and **BigQuery** to bridge platform monitoring and business intelligence. Familiar with big data tools like **Apache Spark, Kafka**, and **Airflow**.

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### Technical Skills

- **Languages:** Python, SQL, Java, Shell Script
  - **Big Data & Observability:** Apache Spark, Apache Kafka, Airflow, Databricks, OpenTelemetry (OTel), Prometheus, Grafana, Splunk
  - **ETL/Reporting:** SSRS, Power BI, Looker, Tableau, Google Data Studio, DBT
  - **Machine Learning & GenAI:** Scikit-learn, Keras, NLP, LangChain, RAG, Vertex AI, LLM fine-tuning
  - **Cloud Platforms:** Google Cloud Platform (GCP – BigQuery, Vertex AI), AWS, Azure
  - **Monitoring & Incident Management:** Grafana dashboards, Prometheus exporters, log/metrics tracing with OTel, Splunk query integrations
  - **Dev Tools:** Git, JIRA, MS Office, Flask, REST APIs
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### Work Experience

#### LatentView Analytics – Assistant Manager, Analytics

*Apr 2022 – Jun 2024*

- Led full lifecycle of data-driven analytics projects for global clients (incl. Google Revenue-to-Cash) using **SQL and Python**.
- Developed and optimized complex SQL workflows and data pipelines across **Google Cloud Platform (GCP)** using **BigQuery**.
- Integrated ML models (DOC AI) on **GCP Vertex AI** and enhanced business decision-making.
- Managed SSRS, Power BI, and Looker dashboards for executive-level reporting.
- Implemented observability stacks with **Grafana, Prometheus, OpenTelemetry**, and **Splunk** for SLA compliance and operational visibility.
- Coordinated incident management pipelines leveraging **Apache Airflow, Kafka**, and **Apache Spark** for efficient data movement and monitoring.

## **LatentView Analytics – Analytics Consultant**

*May 2021 – Apr 2022*

- Analyzed source system data and translated business requirements into technical documentation using **SQL and Python**.
- Supported analytics workloads on **GCP** and optimized data retrieval using **BigQuery** queries.
- Designed ML-based workflow improvements and implemented NLP-driven compensation reports.
- Set up observability workflows with **Prometheus**, **Grafana**, and **OpenTelemetry** to monitor analytical model deployment and database activity.
- Participated in performance tuning and job orchestration using **Apache Airflow** and **Spark** pipelines.

## **IIM Raipur – Analytics Intern**

*Jul 2019 – Apr 2021*

- Built dashboards to monitor productivity, attrition, and workforce metrics using **SQL**, **Python**, and **GCP (BigQuery)** as backend.
- Created Python-Flask-based APIs with frontend visualizations and log integration into **Grafana**, **Prometheus**, and **Splunk** for real-time dashboarding.
- Developed custom alerting and tracing using **OpenTelemetry** to track visualization errors and API call failures.
- Experimented with **Apache Kafka** for message streaming and **Airflow** for report scheduling automation.

## **NEC – Python Developer**

*Dec 2017 – Jul 2019*

- Developed IIoT visual dashboards using **Python** and **SQL**, with data pipelines integrated into **GCP**-based storage.
- Used **BigQuery** for querying industrial logs and feeding dashboards.
- Created structured logging using **Splunk**, visualized device events via **Grafana**, and explored real-time metrics using **Prometheus**.
- Built proof-of-concepts with **Apache Kafka** for device-level event streaming and used **Airflow** to orchestrate periodic jobs.
- Added trace monitoring via **OpenTelemetry** for ML model API endpoints and backend pipelines.

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## **Key Projects**

### **DOC AI for Smart Data Processing (LatentView / Google)**

- Built ML model on **GCP Vertex AI** to automate document understanding using NLP and classification.
- Used **SQL**, **Python**, and **BigQuery** to process and store model results.

- Integrated outputs into dashboards with **Grafana**, **Prometheus**, and alert logging via **Splunk**.
- Used **OpenTelemetry** to trace inference time and anomaly thresholds for report ingestion jobs.
- Leveraged **Airflow** to schedule training workflows and **Kafka** for metadata transport.

#### Observability POC for Analytics Pipelines (Internal R&D)

- Instrumented Python ETL pipelines with **OpenTelemetry**, exported data to **Prometheus**, and created alert dashboards in **Grafana**.
- Used **SQL** and **Python** for tracking latency in **GCP BigQuery** transformation workflows.
- Connected traces with **Splunk** to centralize job failures and alert history.
- Scheduled POC workloads via **Apache Airflow** and performed batch cleanup using **Apache Spark**.

#### IoT + IIoT Reporting & Monitoring (NEC)

- Developed dashboards and automation using **SQL**, **Python**, and **Grafana** for device health insights.
- Queried log storage in **BigQuery**, with additional telemetry streamed via **Kafka**.
- Used **Prometheus** to collect resource metrics and **OpenTelemetry** for detailed endpoint traces.
- Maintained system-level reports and notifications through **Splunk**, orchestrated with **Airflow**.

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#### Education

##### MBA – Analytics, Finance & Operations

Indian Institute of Management, Raipur – 2021

##### B.Tech – Computer Science Engineering

Maharaja Agrasen Institute of Technology – 2017

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#### Certifications

- **Google Cloud Certified – Digital Leader (2023)**
- **Dell Data Scientist & Big Data Analytics (2023)**
- **Splunk Fundamentals I – (2024)**
- **Grafana Labs Observability Foundations – (2024)**
- **Japanese Proficiency – JLPT N3 & N5**

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#### Additional Highlights

- National Finalist – Realme UPI Hackathon (2020)
  - 1st Runner-up – TVS Credit IT Challenge (2020)
  - Member – IT Core Team, Karmanta Fest @ IIM Raipur
  - Languages: English, Hindi, Japanese
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