

SATISH KUMAR PYATA

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PROFESSIONAL SUMMARY

Analytical and detail-oriented Data Engineer with hands-on experience in Python, SQL, and Spark for large-scale data processing and business problem solving. Proven ability to query, transform, and analyze datasets exceeding 200,000+ rows to derive actionable insights. Skilled in translating technical specifications into functional, high-quality code and collaborating with cross-functional teams in Agile environments. Passionate about enabling business impact through data-driven solutions.

CERTIFICATIONS

- Google Cloud Professional Data Engineer – 2025
- Guidewire Associate Certification – InsuranceSuite 10.0 Developer – 2023

TECHNICAL SKILLS

- **Languages:** Python, SQL, Java, C++
- **Data Technologies:** Apache Spark, Pandas, Kafka, BigQuery, Dataflow, Airflow (Astronomer)
- **Cloud Platforms:** Google Cloud Platform (GCP) – BigQuery, DataProc, Cloud Run, Cloud Storage
- **Tools:** Docker, Kubernetes, Terraform, Jenkins
- **Methodologies:** Agile/Scrum, CI/CD, Test-Driven Development

PROFESSIONAL EXPERIENCE

Associate Software Engineer | ValueMomentum – Hyderabad, India | Mar 2021 – Jul 2023

- Processed high-volume datasets (500K+ rows) using SQL and PySpark on DataProc to support analytics and business intelligence teams.
- Translated data transformation requirements into automated pipelines, improving operational efficiency by 30%.
- Developed scalable ETL workflows using Airflow and integrated data from multiple sources into BigQuery.
- Performed functional testing and debugging on ETL jobs to ensure data quality, consistency, and accuracy.
- Collaborated with Agile cross-functional teams and participated in sprint planning, stand-ups, and retrospectives.
- Implemented monitoring dashboards for data pipelines, contributing to 40% reduction in data latency.

EDUCATION

Master of Science in Computer Science | Lawrence Technological University | Southfield, MI

Concentration: Data Science & Big Data Mining

PROJECTS

Business-Focused Vehicle Data Insights Platform

- Built a real-time data analytics solution that handled over 200,000+ vehicle telemetry records.
- Developed data pipelines using Python, Spark, and BigQuery to derive performance insights and optimize fleet operations.
- Created automated quality checks and participated in stakeholder demos to validate business impact.

AI Image Generator using Streamlit & DALL·E 3

- Designed and deployed a Python-based image generator using OpenAI's DALL·E and GCP Cloud Run.
- Enabled real-time user input handling, scalable API requests, and visual results generation.
- Built dynamic UI components with customizable parameters to improve image generation workflow efficiency for prompt and image size control.

ADDITIONAL INFORMATION

- **Work Authorization:** Authorized to work in the U.S. without sponsorship
- **Availability for Travel:** Yes (2 days/month as required)
- **Interests:** Cloud-native tools, Data Quality Engineering, Business-Driven Analytics