

Data Operations

Automate, Monitor, and Optimize Your Data Ecosystem with DataOps

Overview

Durga Analytics enables efficient and reliable data operations by applying DataOps, observability, automation, and continuous delivery principles to your pipelines.

Key Capabilities

- CI/CD for data pipelines and workflows
- Real-time pipeline monitoring and incident alerts
- Data observability: freshness, completeness, schema tracking
- Automated testing, versioning, and rollback mechanisms
- Cost and performance optimization dashboards

Our Framework

1. **Setup:** Define baseline observability and automation goals
2. **Instrumentation:** Deploy sensors, alerts, and testing policies
3. **Integration:** Align with CI/CD, GitOps, and pipeline orchestration tools
4. **Optimization:** Implement SLA dashboards and continuous improvement loops

Benefits

- Proactive issue detection and faster resolution
- Higher trust in data delivery pipelines
- Reduced manual interventions and downtime
- Improved SLA adherence and stakeholder visibility

Case Snapshots

- Built a DataOps framework for a logistics firm with auto-rollback & pipeline healing, reducing incident resolution time by 70%
- Implemented real-time observability dashboards for a healthcare company, improving data freshness visibility and regulatory compliance

