AI Engineering

Operationalize Machine Learning with Scalable, Resilient Engineering

Overview

Durga Analytics specializes in productionizing AI models through modular, secure, and scalable engineering practices. We enable seamless transition from experimentation to enterprise-grade deployment.

Key Capabilities

- Model training orchestration and ML pipelines
- Model deployment using containers, APIs, and microservices
- Model versioning, governance, and rollback strategies
- A/B testing, performance monitoring, and model drift detection
- ML workflow automation and CI/CD for ML

Engineering Blueprint

1. **Pipeline Design:** Define ML workflows, training & validation triggers
2. **Deployment:** Serve models via REST, gRPC, or batch interfaces
3. **Integration:** Connect models with business apps, databases, and APIs
4. **Monitoring:** Track metrics, latency, and data integrity in production

Benefits

- Shorter cycle from model development to deployment
- Improved reliability, traceability, and compliance
- Seamless collaboration between data science and engineering
- Faster scaling across use cases with reusable components

Client Outcomes

- Deployed 30+ ML models to production in under 2 months for a BFSI client
- Built CI/CD-based ML platform using Kubernetes and MLflow for a telecom provider
- Achieved 40% reduction in model latency with API-first AI platform for a logistics firm