Challenge	Mitigation
Bias and data quality at scale: Training data issues multiply across hundreds of models, making manual review infeasible.	• Automated bias detection integrated into MLOps workflows • Data quality scoring at ingestion with threshold based rejection
Ownership gaps between data science, legal, and IT: No single function owns governance across the full lifecycle, leading to diffused accountability.	• Governance committees with defined escalation paths • CDAO or equivalent role as central governance owner
Continuous monitoring across the model lifecycle: Models degrade, data drifts, and requirements shift post-deployment.	• Automated performance monitoring with alerting • Scheduled re-evaluation cadences tied to risk classification
Managing GenAI risk within existing governance structures: GenAI introduces hallucination, prompt injection, and data leakage risks that traditional ML frameworks miss.	• Extended governance protocols for GenAI-specific risks • Guardrail services covering cost control, safety checks, and output quality