

Digital Finance 3: Technology in Finance

Lesson 36: AI Regulation and Future

FHGR

December 13, 2025

Summary of key concepts presented above.

Learning Objectives

By the end of this lesson, you will be able to:

- Explain the EU AI Act and risk-based framework
- Understand financial sector-specific AI regulations
- Navigate GDPR Article 22 (automated decisions)
- Evaluate emerging regulatory trends
- Anticipate future AI developments in finance
- Assess career opportunities in AI finance

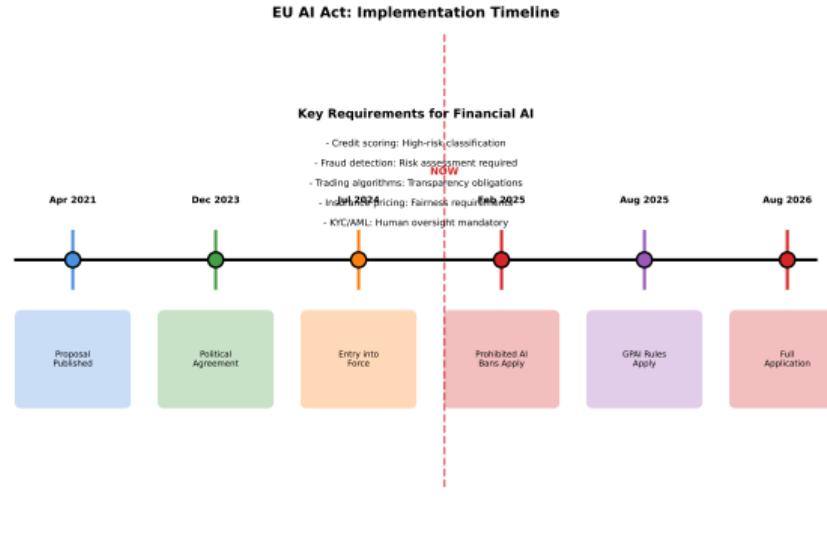
Summary of key concepts presented above.

AI Regulation Landscape



Global AI regulation is converging toward risk-based frameworks prioritizing high-risk financial applications.

EU AI Act Implementation Timeline



The EU AI Act enters force in phases, with full compliance required by 2026 for most financial systems.

Key Takeaways:

- EU AI Act establishes risk-based framework (2024-2026)
- Financial ML systems mostly high-risk (credit, insurance)
- GDPR Article 22: right to explanation for automated decisions
- Explainability and fairness now regulatory requirements
- Future trends: LLMs, federated learning, quantum ML
- Career opportunities: ML engineers, model validators, AI ethicists

Module 3 Complete! Next: Module 4 - Traditional Finance Technology

Summary of key concepts presented above.