

# Digital Finance 3: Technology in Finance

## Lesson 36: AI Regulation and Future

FHGR

December 13, 2025

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Summary of key concepts presented above.

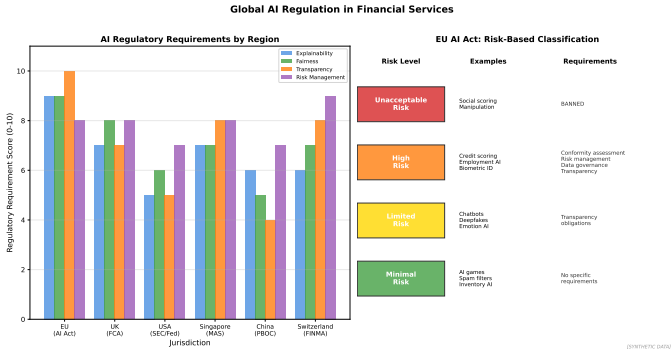
# Learning Objectives

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

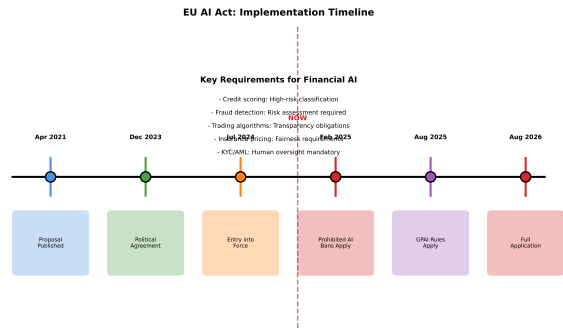
- Explain the EU AI Act and risk-based framework
- Understand financial sector-specific AI regulations
- Navigate GDPR Article 22 (automated decisions)
- Evaluate emerging regulatory trends
- Anticipate future AI developments in finance
- Assess career opportunities in AI finance

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Summary of key concepts presented above.



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



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

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Summary of key concepts presented above.