



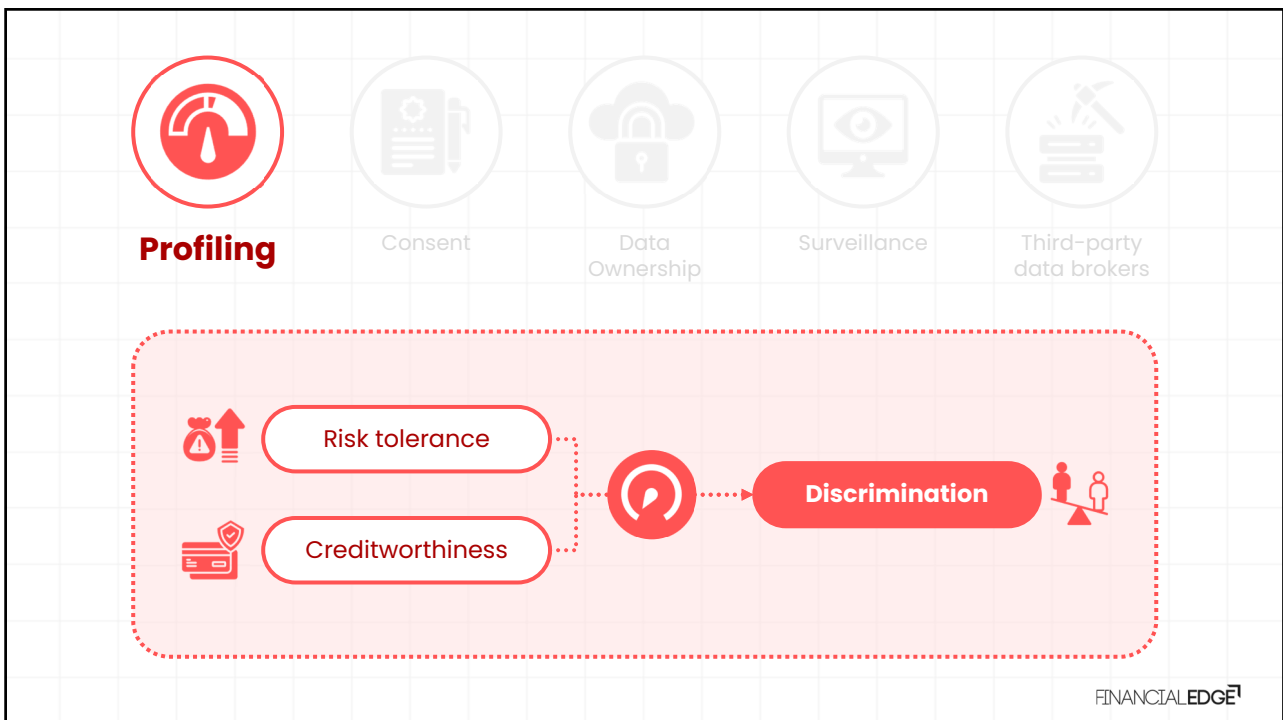
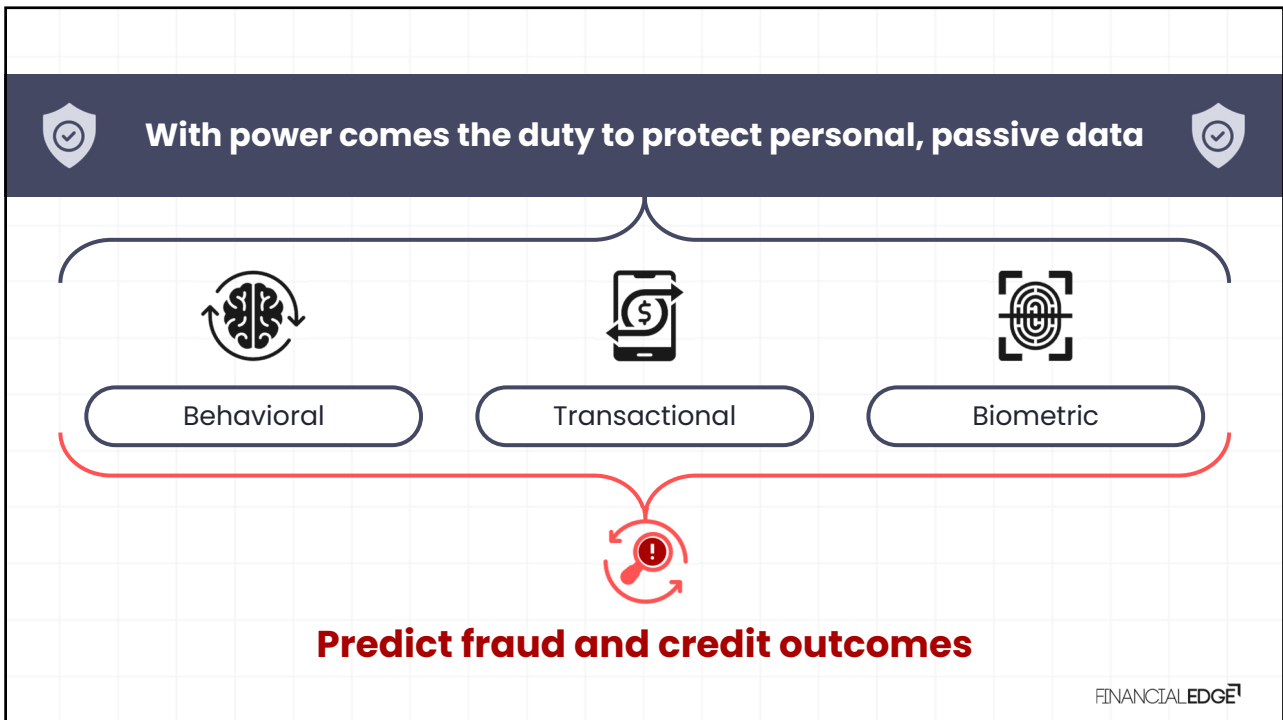
# Data Privacy, Security & Regulation in AI

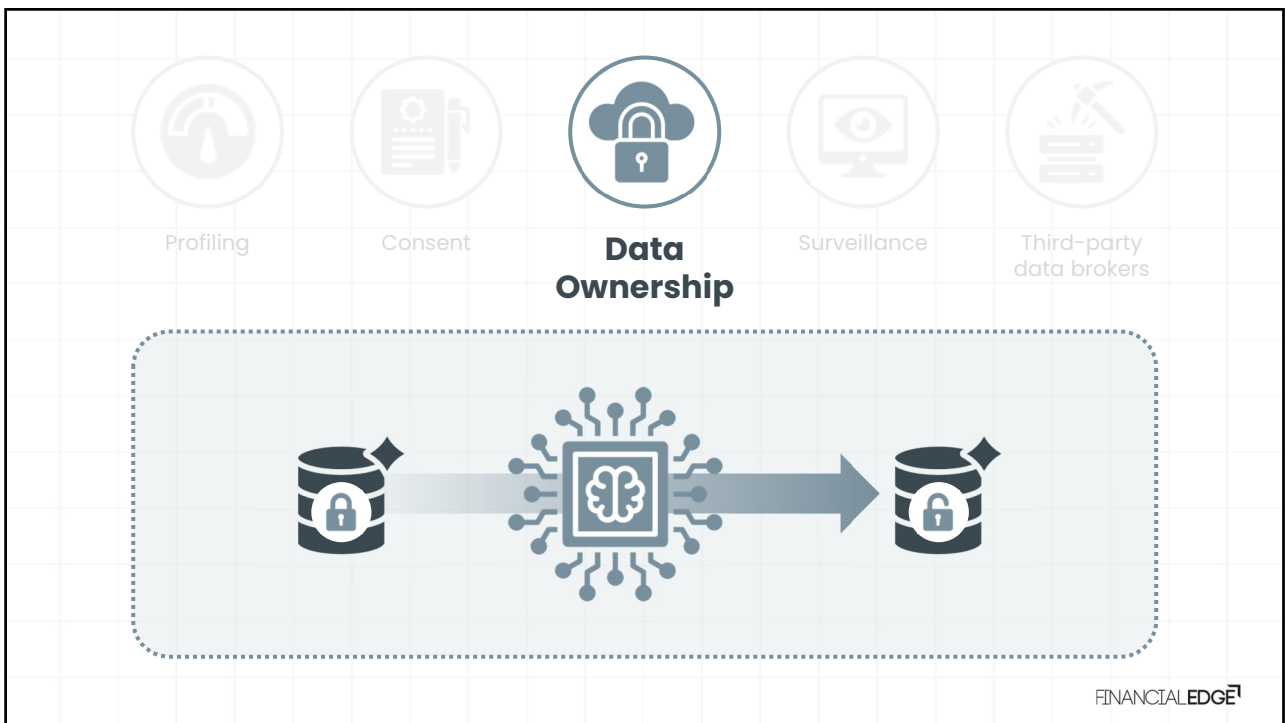
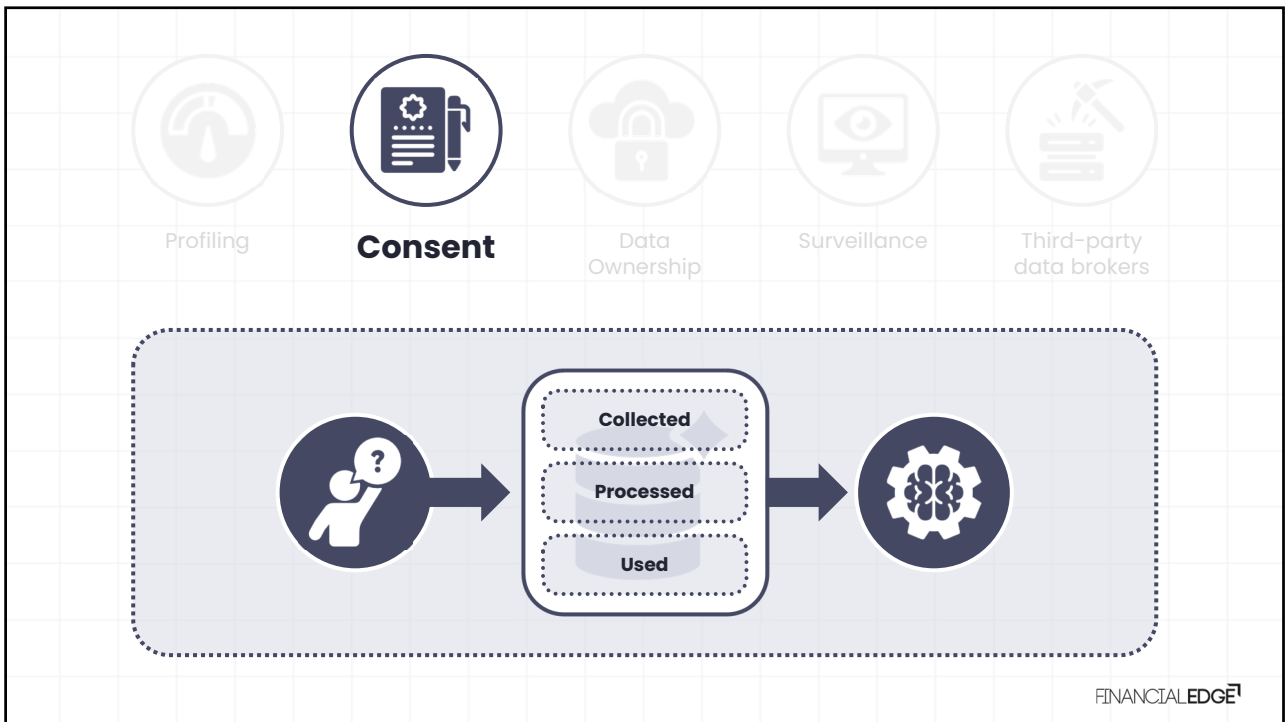


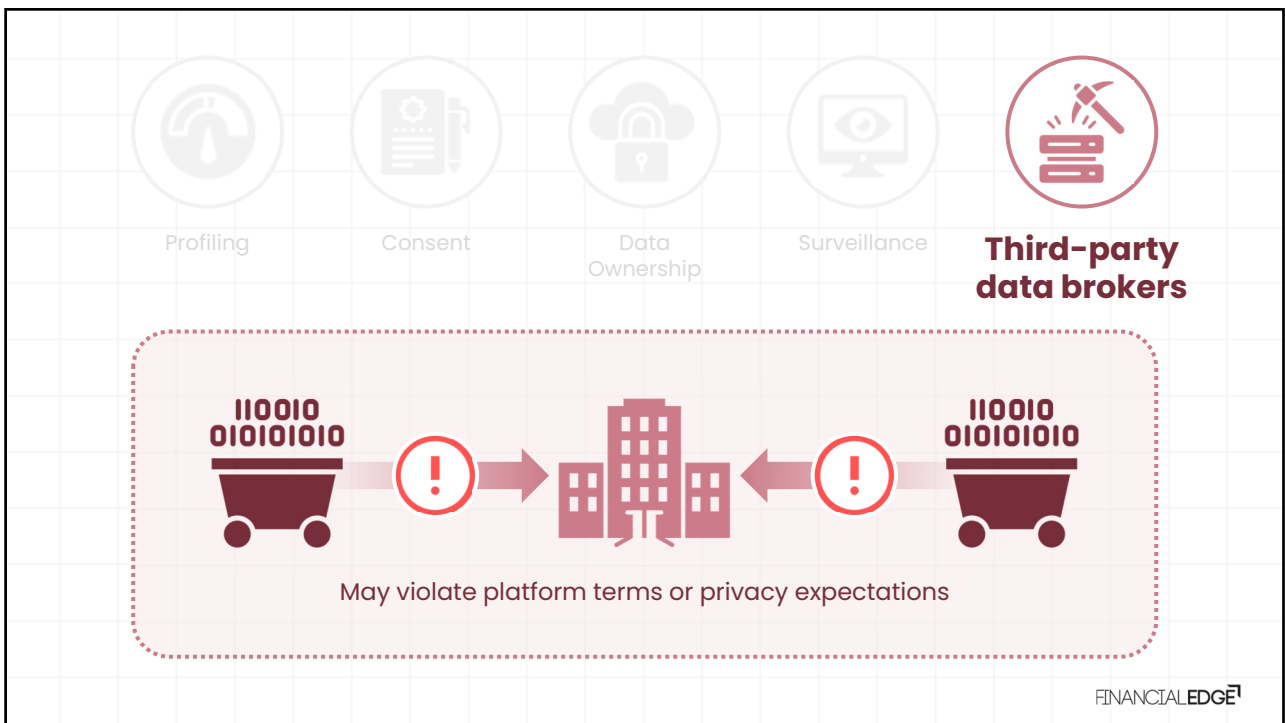
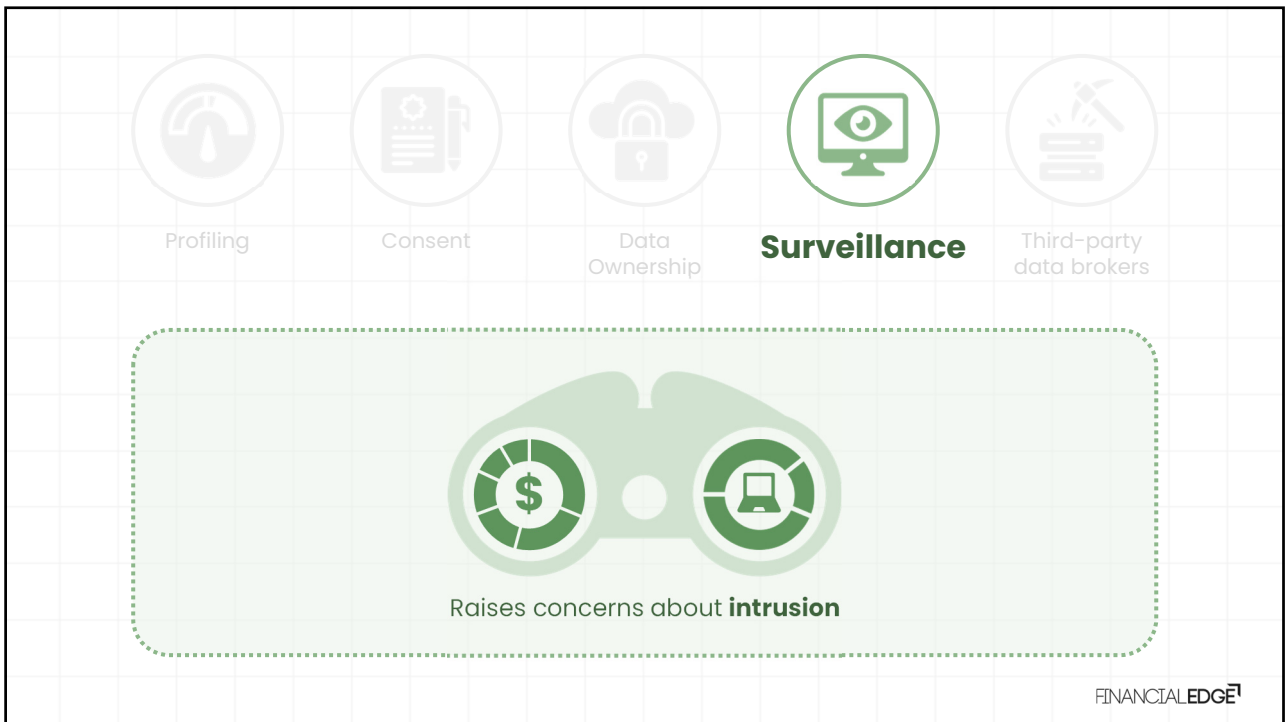
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# Ethical Concerns in Artificial Intelligence

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“ Ethical concerns over **surveillance**, **inference**, and **consent** are now front and center as financial AI systems scale rapidly ”

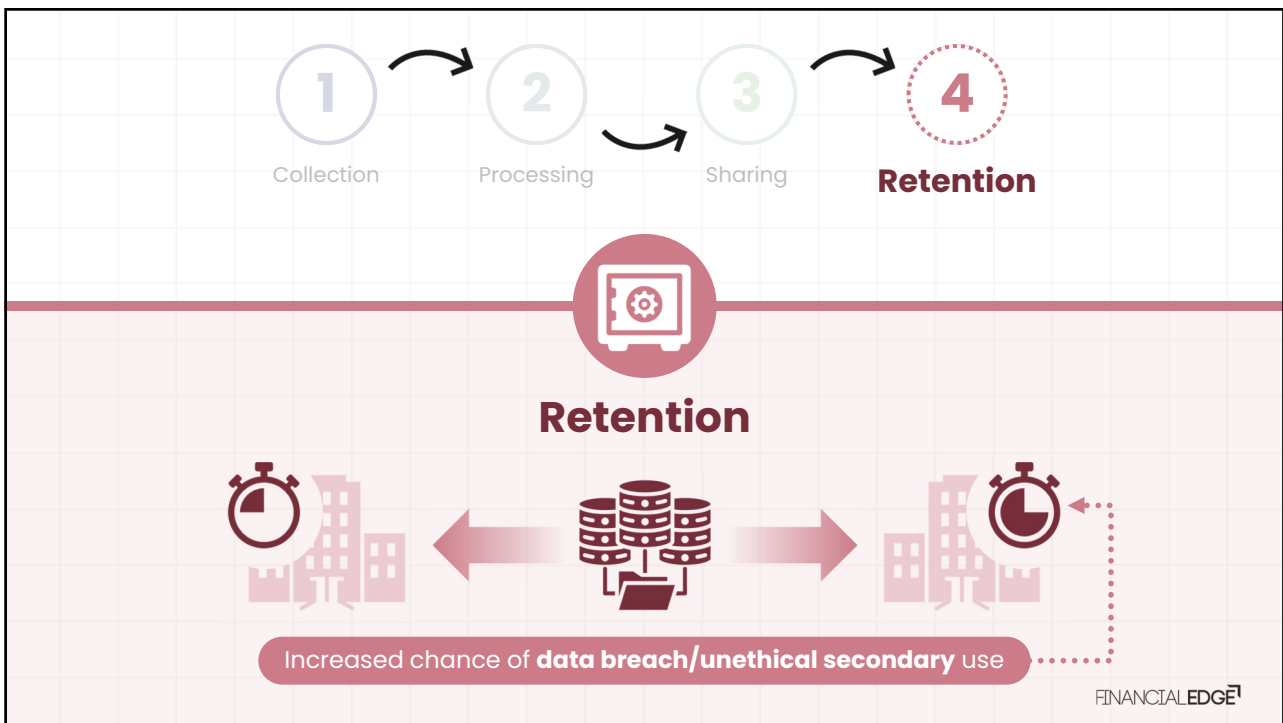
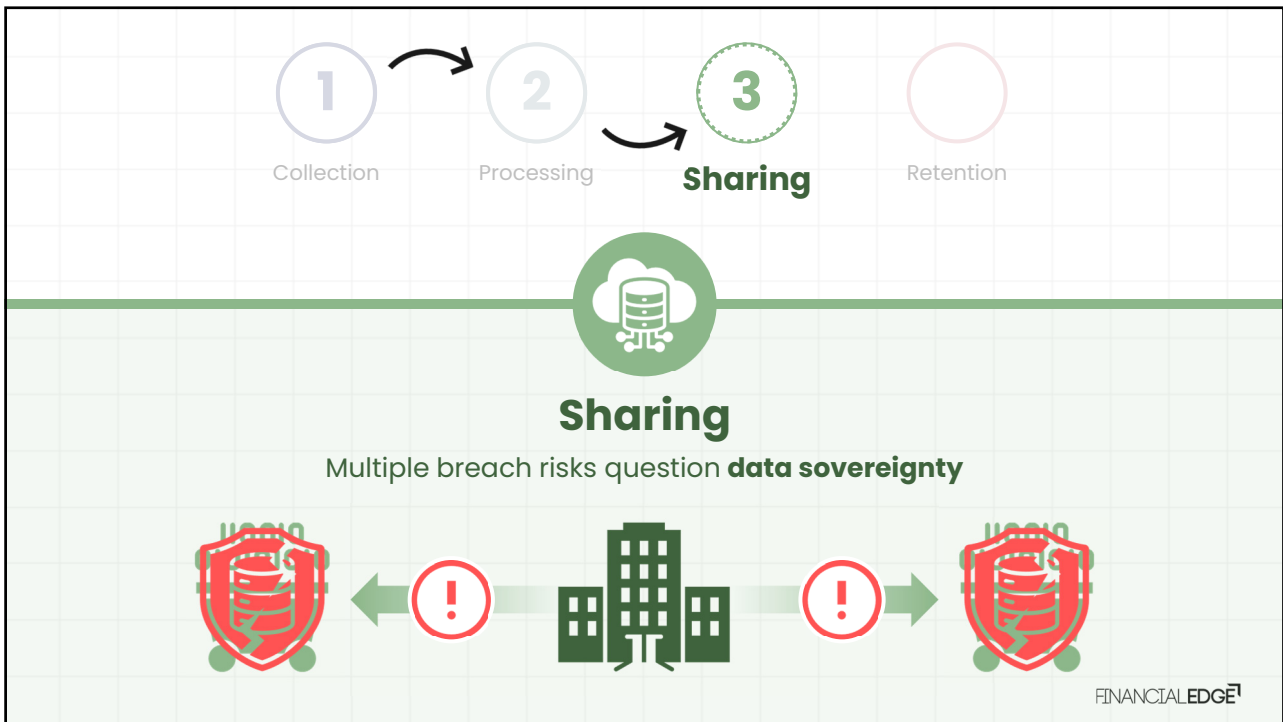
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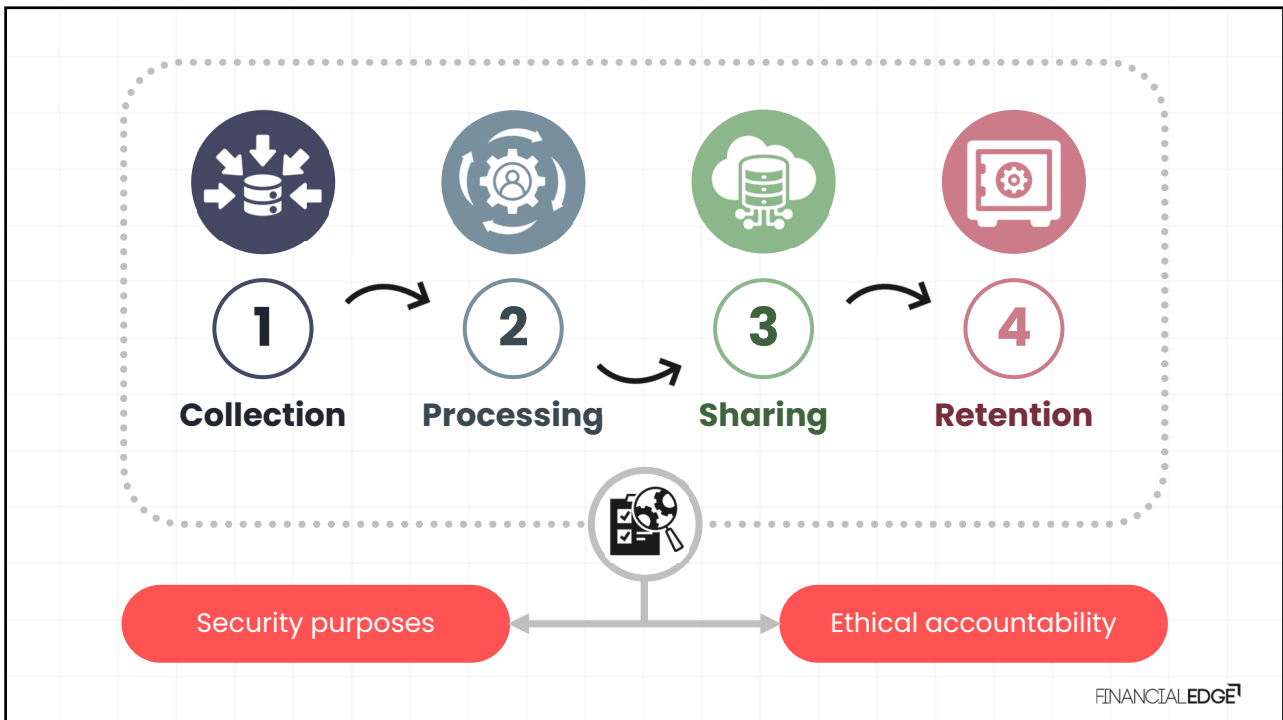
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## AI and Data Lifecycle Risks

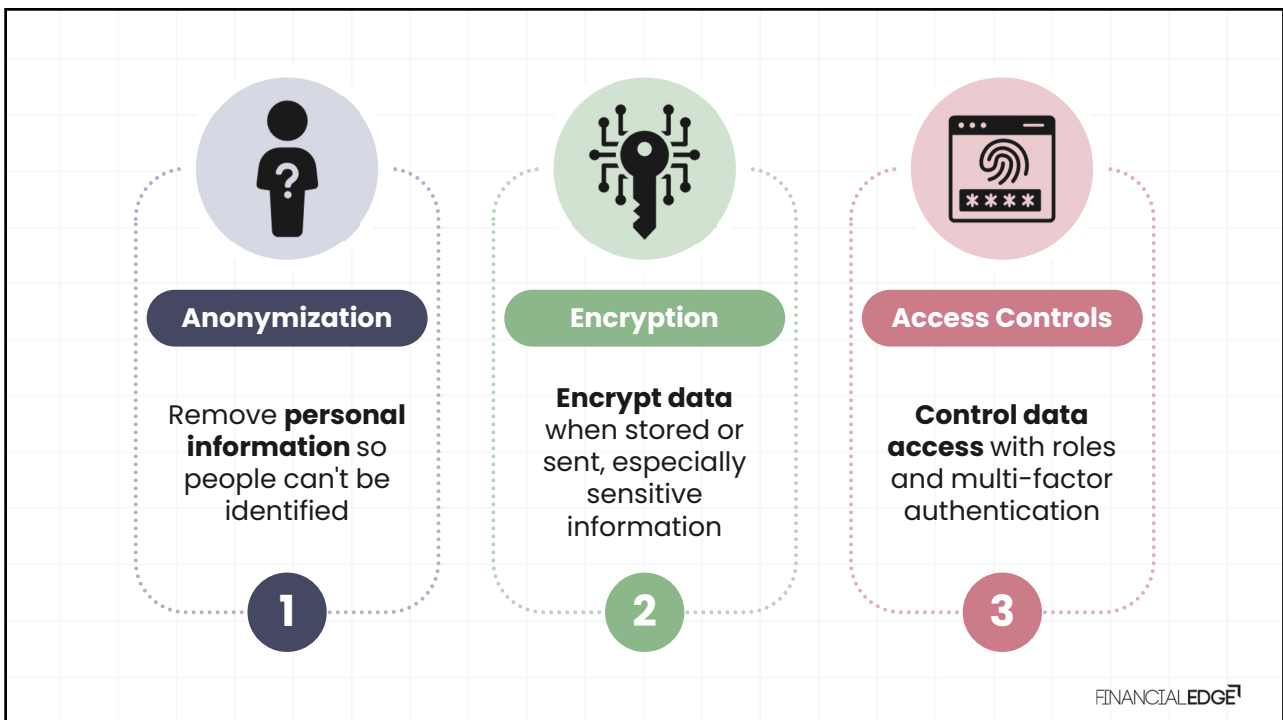
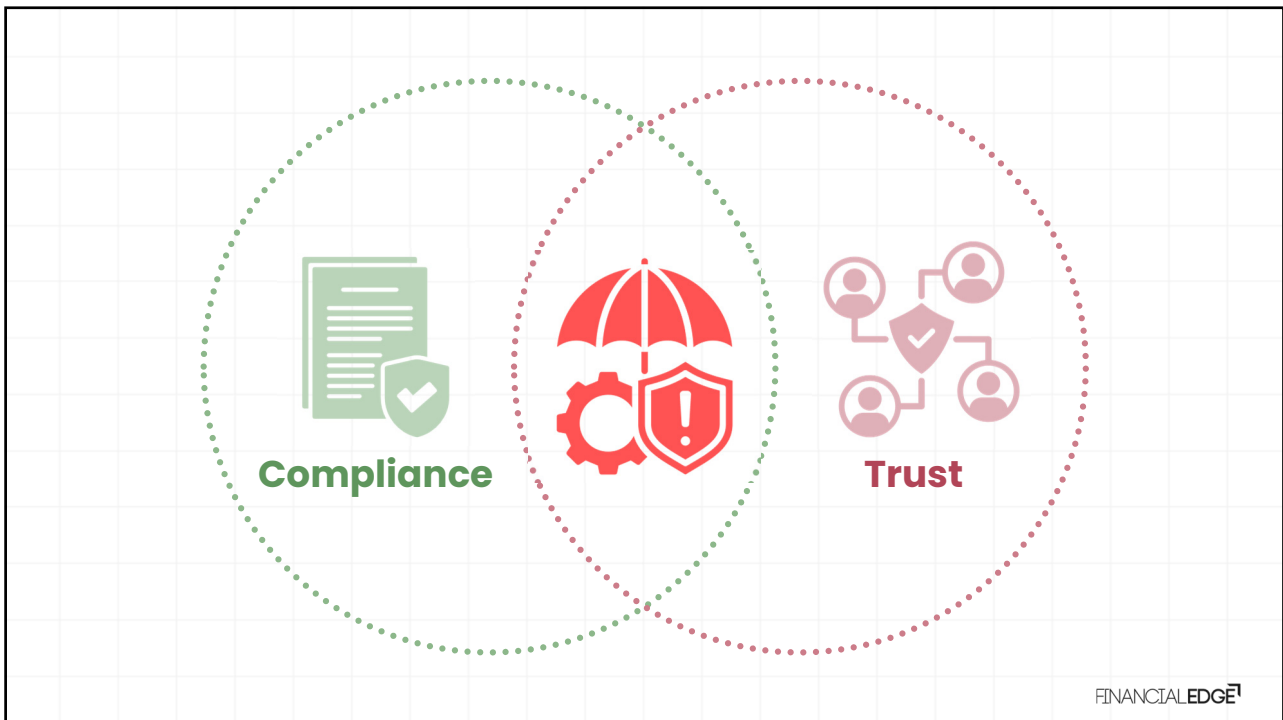
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# Building Trust into AI Systems





## Privacy-by-design Principles

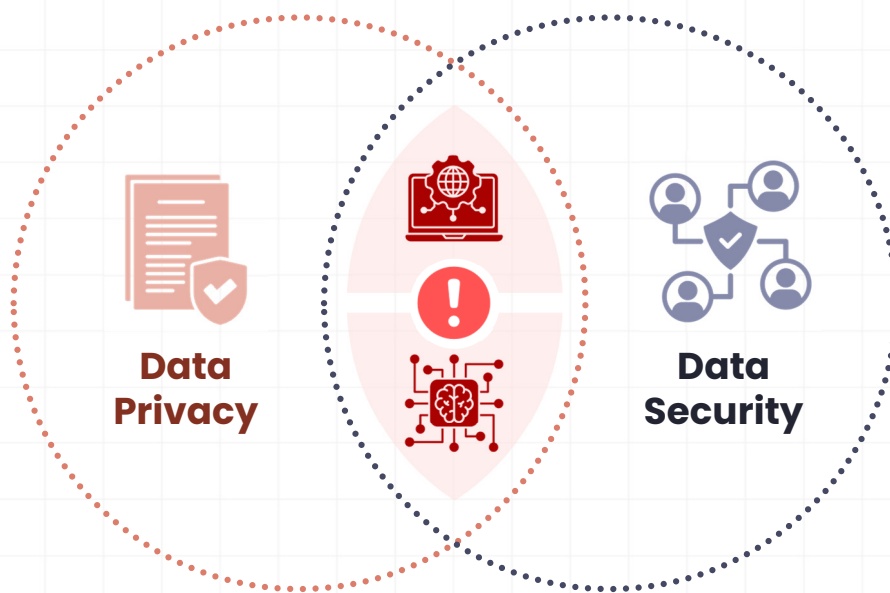
Embedding **safeguards** during system architecture, not after deployment

### Federated Learning

Trains AI on **decentralized data** without centralizing raw data

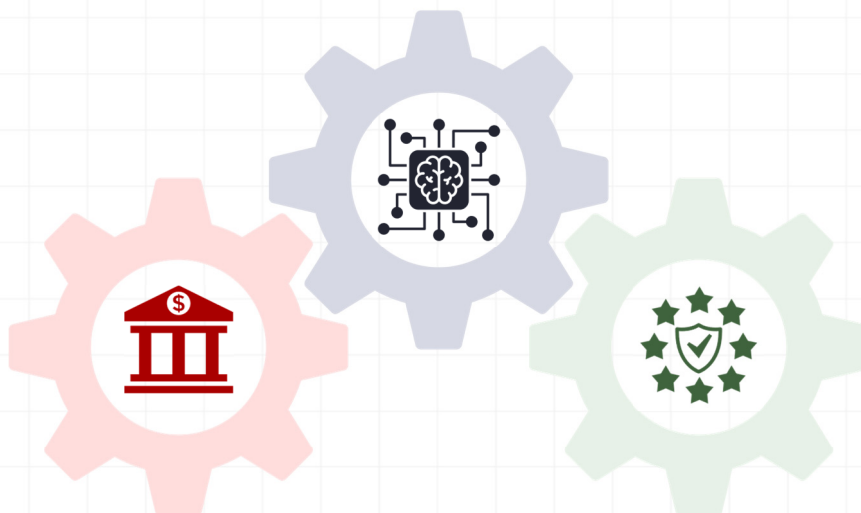


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# Overview of Key Regulations

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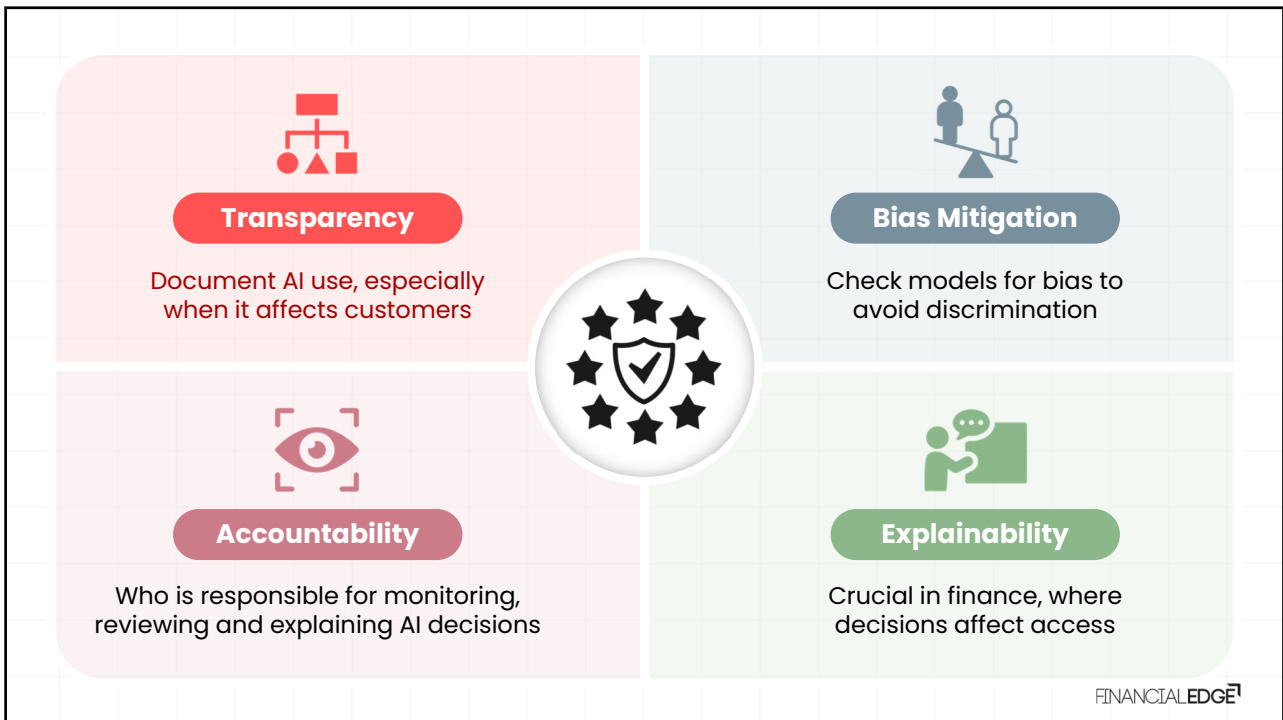
Global regulators are accelerating efforts to define AI governance

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European Union	United States	Singapore
		
<p><b>EU AI Act</b></p>	<p><b>Equal Credit Opportunity Act</b></p>	<p><b>Monetary Authority of Singapore</b></p>
<p>Classifies financial AI systems like credit scoring and algorithmic trading as “high-risk”</p>	<p>Ban bias in credit decisions, human or AI-made</p>	<p><b>FEAT Principles:</b>                      Fairness – Ethics –                      Accountability –                      Transparency</p>
<p><b>General Data Protection Regulation (GDPR)</b></p>		<p>Guides firms on responsible AI and data use</p>
<p>Requires explaining the automated decisions to customers</p>		
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# Regulatory Focus

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# Compliance Challenges




**Black-box Models**

Deep learning systems can be hard to interpret, challenging explainability and audit standards




**Model Risk Management (MRM)**

Must evolve to address AI-specific risks like data drift, feedback loops, and algorithmic retraining




**Cross-border Complexity**

MAS FEAT compliance may not meet the EU AI Act's stricter oversight rules



**Resource Constraints**

Large institutions face challenges updating legacy systems to meet new standards



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