Data Breaches in the Financial Industry (Last 10 Years)

Major Breaches
First American Financial Corp (2019): 885M records exposed.
ECMC (2010): 3.3M records stolen.
Causes

Human error, system vulnerabilities, insider threats.

AI's Role
Causing: Sophisticated AI-driven attacks.
The use of AI enables the prevention of security threats through its ability to detect anomalies while conducting behavioral analysis which triggers automatic responses.

Techniques Used
Anomaly detection and encryption together with behavioral analysis form the core elements supported by regular software updates.

Lessons Learned
The maintenance process for continuous updates stands essential for both access control measures installation and personnel training.

What Could Be Prevented?
The system requires periodic updates and improved security protocols and better encryption and continuous system checks.

The correct implementation of AI technologies enables companies to battle numerous security issues that occur during cybersecurity operations.