PROBLEM & CLIENT With the rise of digital banking, financial institutions face increasing challenges in detecting and preventing fraud. Traditional fraud detection systems often struggle to keep up with evolving fraud tactics, leading to financial losses, reputational damage, and regulatory risks. High false positives disrupt customer experience, while missed fraud cases result in greater costs. There is a need for an advanced, data-driven solution using machine learning to detect suspicious transactions in real-time, reduce losses, and improve customer trust.