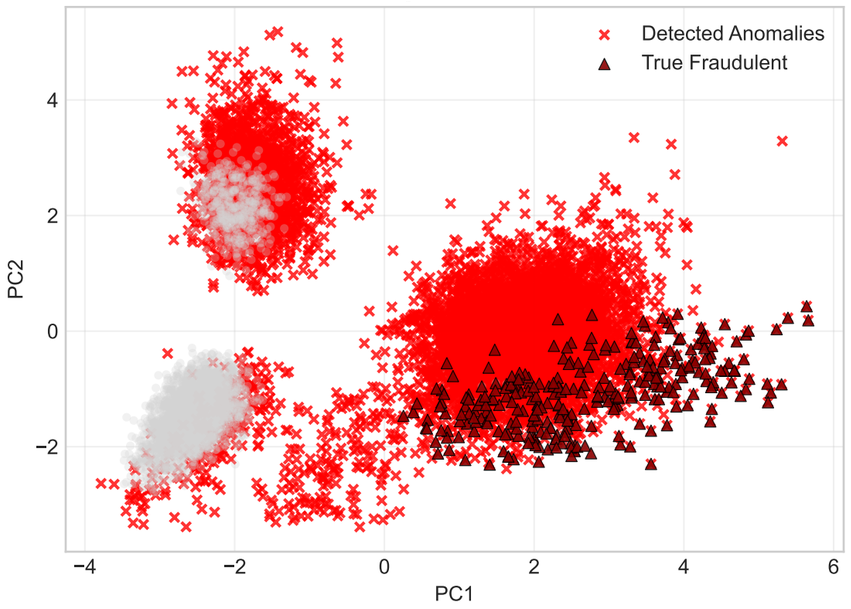
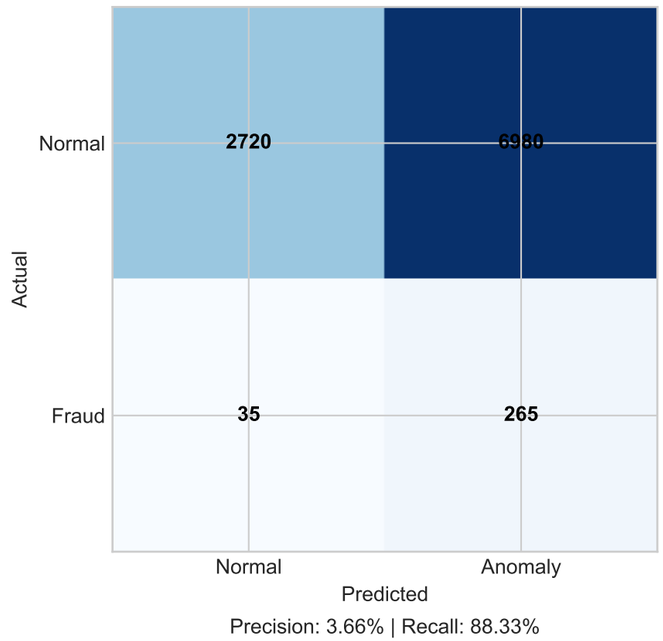
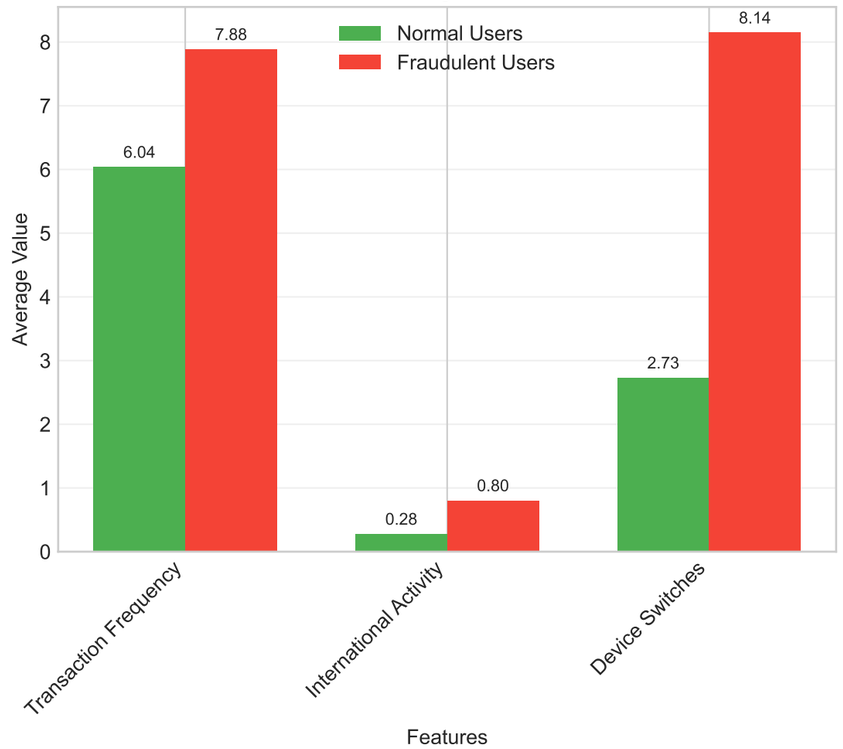
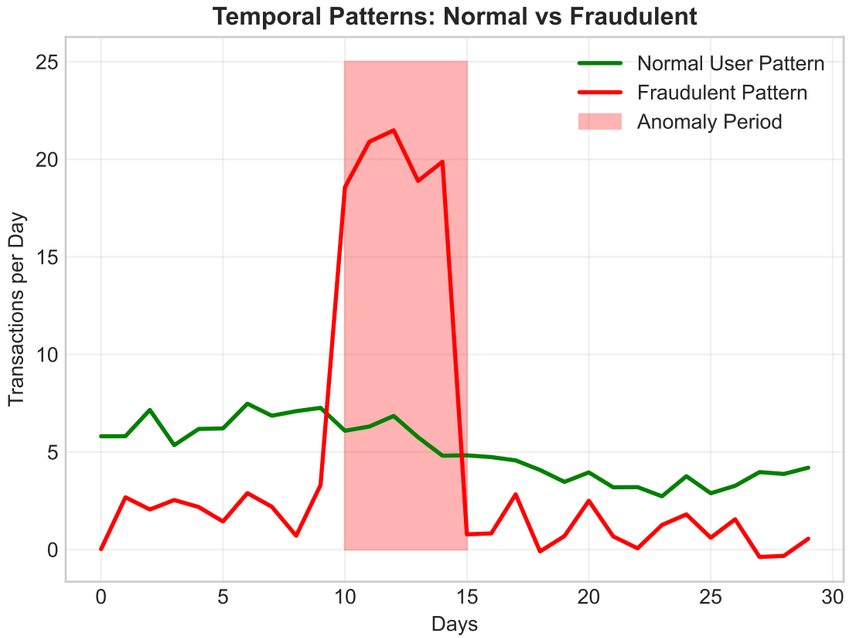
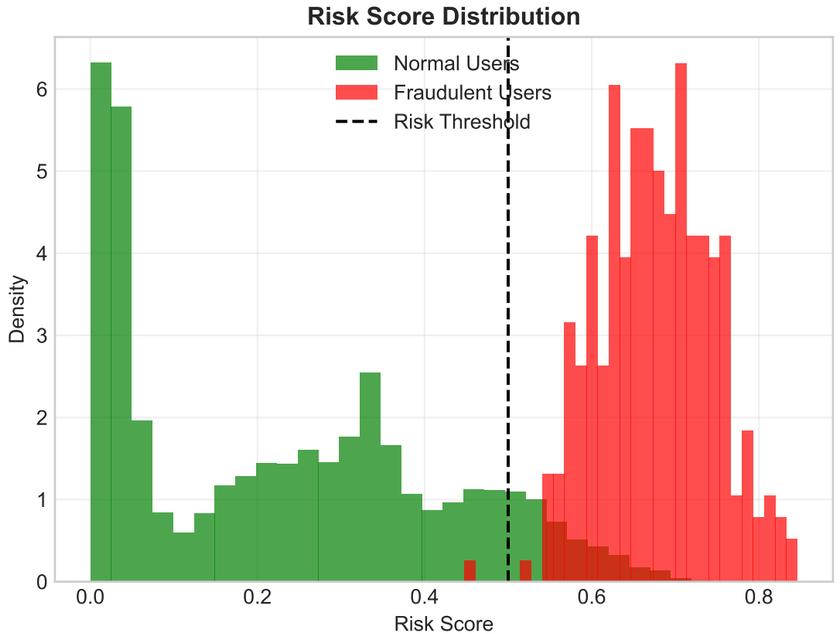
Fraud Detection with DBSCAN: Identifying Anomalous Patterns









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FRAUD DETECTION SUMMARY
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Total Users: 10,000
True Fraudulent: 300 (3.0%)

DBSCAN Performance:
• Anomalies Detected: 7245
• Correctly Identified: 265/300
• Precision: 3.7%
• Recall: 88.3%

Key Fraud Indicators:
• High international activity (80% vs 28%)
• Unusual transaction spikes
• Multiple device switches
• Zero support contacts
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