

Enterprise Al Solutions for Financial Services

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CEO & Founder



Company Overview







Intelligent AI Solutions

Cognitive Process Automation

High Performance Computing



Our Niche

Our Al Platform delivers advanced Al Solutions for complex business processes.



Advanced Scalable Al applications

Fraud Detection, Risk Predictive Models, NLP



Expertise

Financial Services



Business applications

Operational Risk & Efficiency, Predictive Models, Anomaly Detection.



Strategic Partners







Alnfinity Lab – To help businesses explore Al proof of Value quickly with our integrated secured platform









Why AI now?

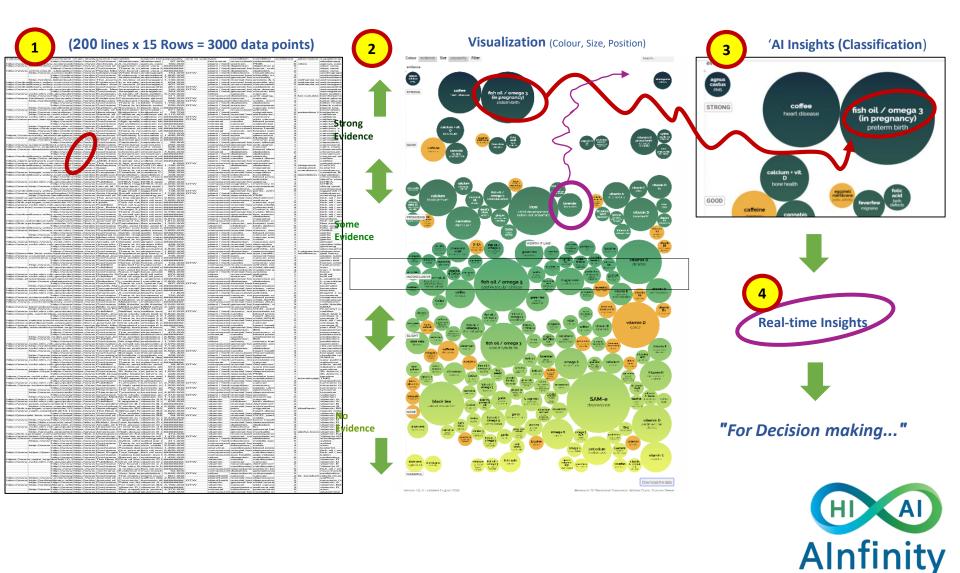
"These days, organizations with no AI strategy are like businesses in 2000 that had no Internet strategy, or those in 2010 that had no mobile strategy. And yet, for many organizations, AI is still uncharted territory." - Forbes

Al Is best suited to optimize value, as traditional Rule-based systems, linear models are not sufficient to handle critical use-cases:

- Fraud Detection
- Risk management
- Customer 360-degree view (Sentiment analysis, Churn etc.,)



Al's advanced insights for decision making



Challenge to Implement AI An emerging capability - Needs expertise to implement

Many Business applications in AI, but needs expertise to implement AI

Assessment of Al capability to fit, and identification of scope, outputs

Al applications needs skilled resources and integrated platform

• Time and resources. Scalability and Integration with IT applications (cloud platform)

A Secured Platform (data integration, Al model build, analytics)

• So how exactly, can you implement AI in cost-effective way and increase ROI?

How you do an Al assessment BEFORE making a case for investment?

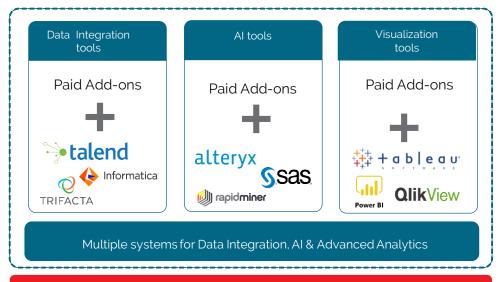
Need an assessment with a PoV quickly and build a scalable Al application



Various IT Software to build AI Solutions

- Data Integration, Al tools, Analytics tools

Multiple IT tools and processes for each needs – Difficult to build a good AI application



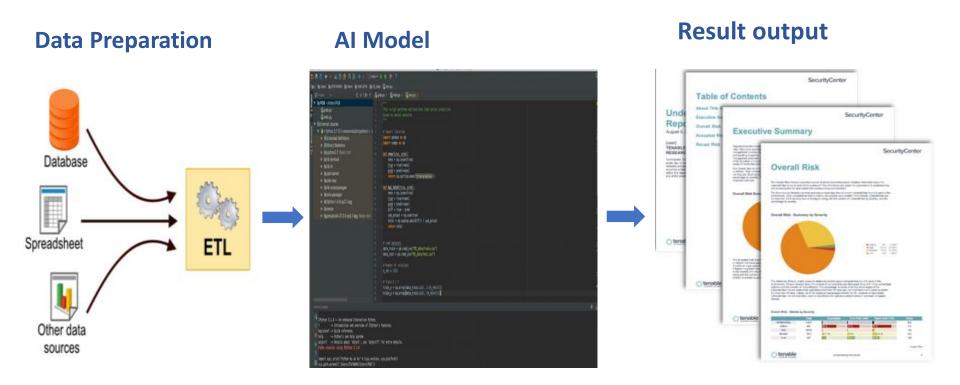
- Pain Points Limiting Benefits Realizations
- Slow Implementations due to multiple sylo systems
- Limited Data Democratization
- No real-time integration for AI models build
- · Expensive Licenses and exerts for each tool





Typical Process - To build Al Solutions

Several disintegrated tools and processes – Takes Long time and expensive to build good AI Solutions

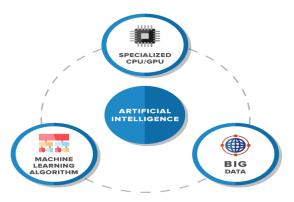




Al for Business Users - Secured end-to-end Al Platform Advanced Al models with Real-time dashboards

Our Secured Platform is easy-to-use with built-in functionalities (even without AI expertise) to build AI solutions quickly

Powerful AI Models



Advanced analysis Dashboards



Real-time decision making



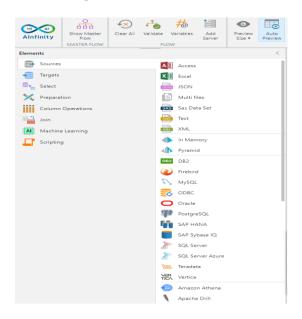


Our Unified end-to-end Al Platform Examples of Built-in Functionalities for data, Al and dashboards

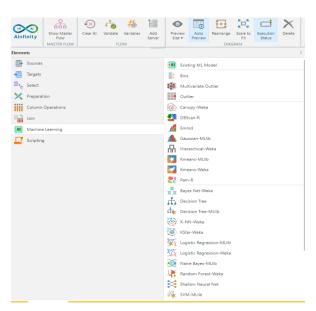
Our Secured Platform is easy-to-use, with seamless integration of :

- Data Integration (100+ connectors for structured, unstructured data)
- Built-in Al Models (Machine Learning, Deep Learning)
- Advanced dashboards (with top-end visualizations)

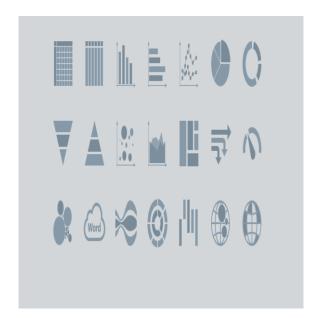
Data Integration (40+ connectors)



Built-in AI Algorithms (50+)



Advanced analysis Dashboards

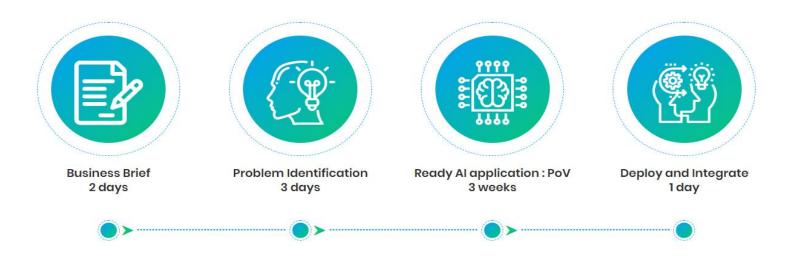




Our Niche - Faster Enterprise Al solutions Faster success outcome in 3 months vs. years (typical)

We deliver proven results with our expertise and advanced AI solutions in weeks than years:

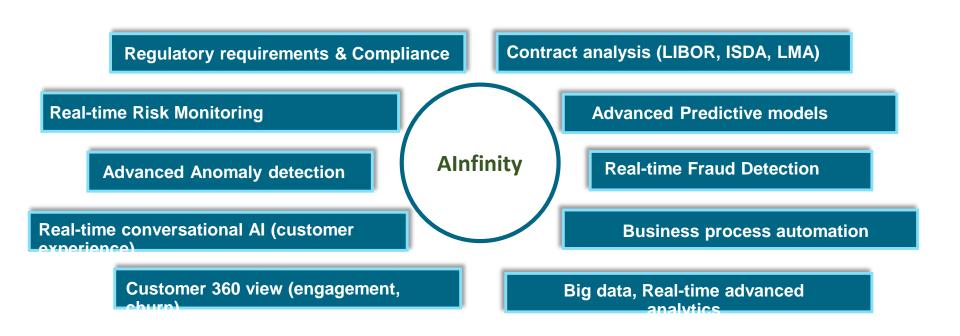
- Assessment and AI strategy to optimise value and processes increase ROI
- Efficient Al solutions to address key issues an application, not just a PoC
- Scalable solution to drive your Innovation less disruption





Our Advanced Al Solutions in Financial Services

A few of our advanced Al solutions for critical use-cases in Financial Services









The fastest and secured way to build AI solutions

Discovery to Delivery In 4 Weeks

Alnfinity LaB Benefits vs. Standard Process Delivery in Less time(4 weeks) and low-cost (60% cheaper)

Typical Approach

- Steps and Process: Many processes done in silo's.
 - Validate the use case
 - Integrate data
 - Trail and error of Al tools to fit
 - Visualization tools
 - Integration
- Environment: Various systems, costly licenses
- **Skills**: Data Scientists, Data Engineers, cloud/dev-ops engineers..
- Cost: >\$100-200k (min. 3xstaff, licenses)
- Time: 6 months to 1 year

Our Practical Approach

- Steps and Process: Our experts will work with you to explore opportunities in your data
 - Validate the use case
 - Integrated data and AI platform
 - Proof of Value in 4 weeks.

- Environment: One unified secured platform
- Skills: All skilled resources from us
- Cost: 60-80% cheaper
- Time: 4 weeks



Alnfinity LaB for Al Proof of Value - Benefits Assessment to Al Solution in 4 weeks



Low cost, fixed fee service
Secure data environment



Easy to use, integrated platform to learn and experiment



Al strategy and roadmap to fit for your business



Ready-to-use AI models (Predictions, classifications etc)



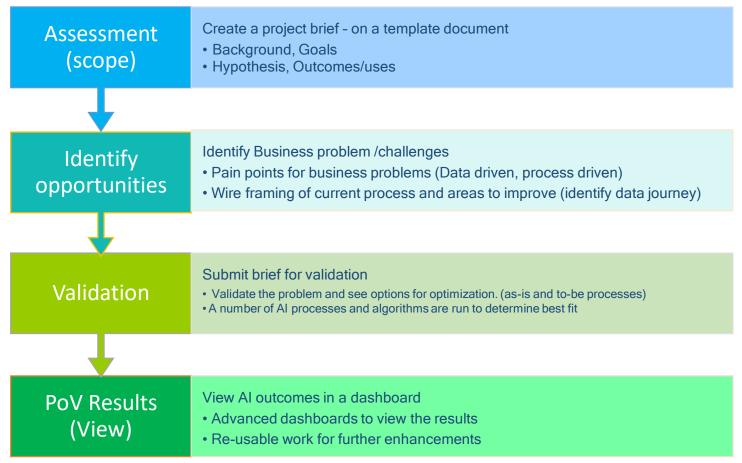
Expert Al application processes and support



Quick PoV delivery in 4-6 weeks



Process - Faster outcome We will help you with AI solutions quickly





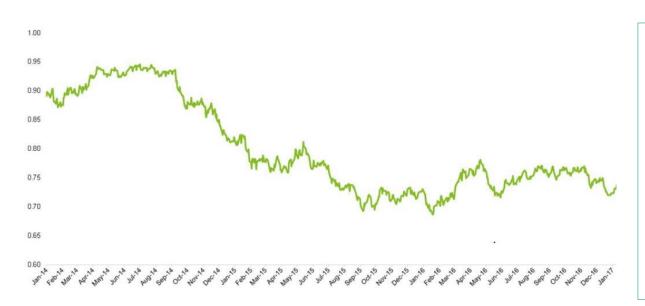


CASE STUDIES

FINANCIAL SERVICES

(CASH EQUITY TRADES, CONTRACT ANALYSIS WITH ADVANCED AI SOLUTIONS)

Top Tier Bank A Cash equity trades - Real-time AI anomaly detection



- Holistic automation and Detect anomalies in the cash equity processes
- Optimize workflow and identify trades position in real-time.
- opex costs/year, and automation.

Problem: Most Financial institutions have challenges in cash equity trade processes to automate business processes and real-time predictive models.

Solution: We delivered an advanced solution with an integrated in-memory solution to:

- Real-time tracking of the cash equity trades
- Predict and detect anomalies in the risk portfolio.







Real-time Credit Card Fraud Detection, Powered by AI

Credit Card Fraud Detection - Big Problem

On a global scale, Credit card processing fraud has hit \$32.320 trillion in total

Online fraudulent transactions are predicted to **reach \$25.6 billion** by 2020.

- E-Retail (65% of fraud by 2020 valued at \$16.6 billion);
- Banking (27% valued at \$6.9 billion);
- Airline ticketing (6% \$1.5 billion).





Credit Card Fraud Detection - Our Solution Advanced Al model with Real-time Intuitive dashboards

Current Scenario

- Large data, from multiple sources
- Multiple parameters to visualise
- No visibility of finding fraudulent transactions correctly



Our Optimized Solution

- Real-time Pipeline for integrating various data
- Advanced AI model to find the accurate predictions on fraud.
- Real-time analytical dashboard powered by Al model, to identify fraudulent transactions

Problem: Most Financial institutions have challenges to automate business processes to have real-time Fraud detection models.

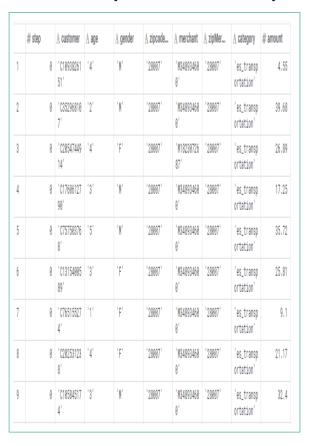
Solution: We delivered an advanced AI solution with a real-time dashboard for analysis:

- Predict and detect outliers (considering various parameters).
- Advanced dashboard to visualize results in real-time



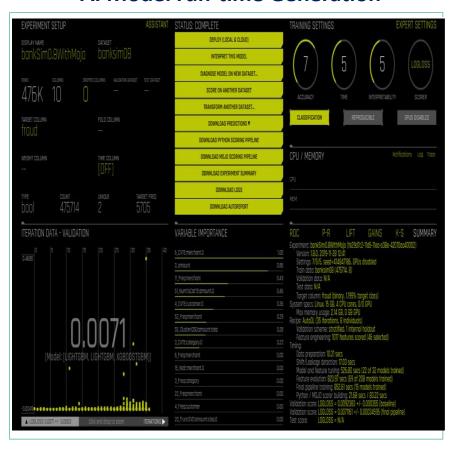
Data set to Al model Generation in 8 hours

Data set (590000 records)



- Data Feature engineering
- Optimized AI model

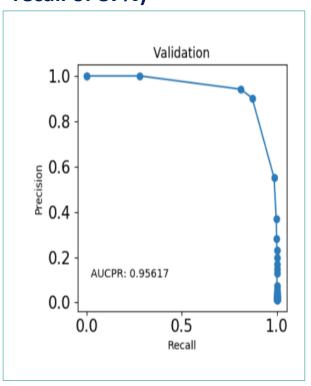
Al Model run-time Generation



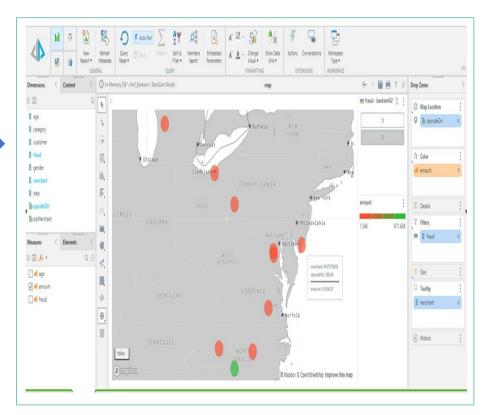


Al Model with Real-time Dashboard

Advanced AI Model (with recall of 87%)



Real-time Dashboard



Benefits: Real-time dashboard identifies fraudulent transactions for analysis:

- heatmap (by zipcode, age, city etc.,)
- Prioritize the fraud metrics



Results

Our AI Model has a **Precision Recall at 87.49%** to optimize the fraud detection:

- Volume of Transactions: 590000 transactions
- Period : 2 days

| Actual Class | Predicted Class | |
|------------------------------------|-----------------|---------|
| | Fraudulent | Genuine |
| Reliable (True Positive at 89%) | 1.21% | 98.79% |
| | 7139 | 582861 |

Here's how much money that actually stands for:

- The total value of all identified fraudulent transactions was \$59,928 for 2 days.
- That's almost \$1 million per month in total savings! (assuming that the fraud levels remain the same)

Cost Savings

Current Scenario

Recurring costs: \$144k/year
Or,
\$12k/month

- Ongoing: 320 man-days/month
- Manual/Rule-based
- Current Costs: \$10000/month (\$30/hour. 2 analysts, 4 weeks)

Other Overheads: \$2000

Our Optimized Solution

One-time costs: \$40k

- Implementation time: 4 weeks
- Real-time predictive model
- Costs incl. License: \$40000

Saving : 72% (\$104k/year)



Thank you!

Come visit us at stand P19

- ✓ See Live Demo on Fraud Detection
- ✓ Experience Alnfinity LaB
- ✓ Schedule A free consulting session

Do you want to implement AI Faster and at a low-cost?

Ask for a free consultation today ! Products@Ainfinity.co



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We deliver Enterprise Al solutions

Contact us for your opportunities, we make your Al journey easier and deliver Al applications in the shortest time



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