



INTEL[®] SAFFRON[™] AI COLLABORATIVE DECISION SYSTEMS

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Intel is building a comprehensive AI portfolio

CAPABILITIES

✓ REASONING SYSTEMS



✓ MACHINE & DEEP LEARNING



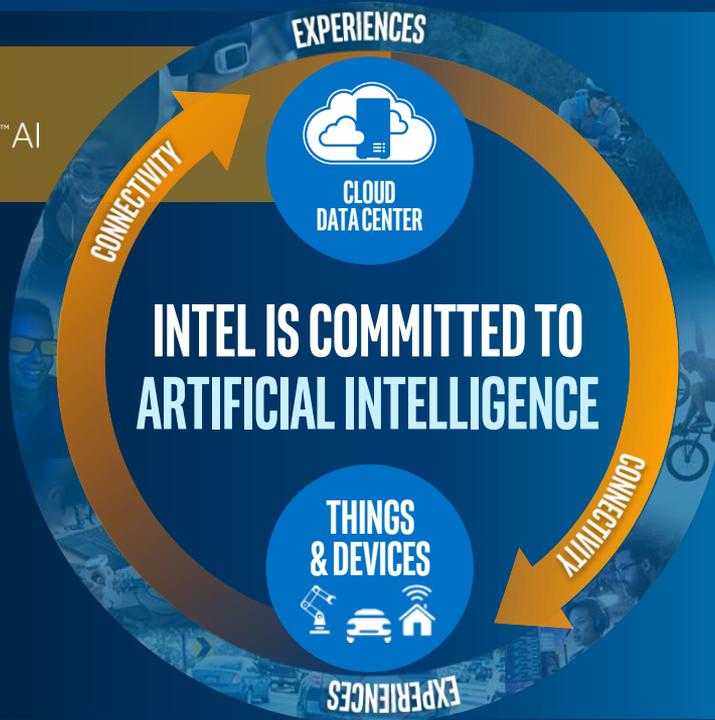
✓ TOOLS & STANDARDS



✓ COMPUTER VISION



EXPERIENCES



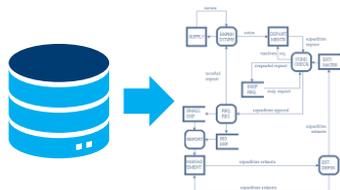
LEARNING VS REASONING



Saffron's Complementary Approach for AI

Learns

Knowledge Extraction

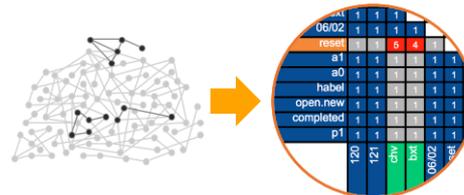


Machine & Deep Learning

- Iterative learning
- Model driven, training required
- Good for known, fixed problems
- Large data sets
- Unable to explain results

Remembers & Reasons

Knowledge Representation



Saffron Cognitive Approach

- Autonomous, instant learning
- Model-free, no training
- Good for dynamic and changing problems
- Sparse and highly-dimensional data
- Able to explain results- how and why

USE CASES



Where Saffron Has Made a Difference

Post Silicon Manufacturing and Software Debug



Customer Challenge

- Time to market
- Duplicate Issues cross global engineering teams

Results with Saffron

- **35%** faster triage time
- **50%** faster resolution rate
- **\$25m** saved per project



Where Saffron Has Made a Difference

Supply Chain Logistics- Aircraft Manufacturing

Customer Challenge

Reduce Aircraft Downtime with improved supply chain

- **15,000** out of production aircraft flying
- **\$1m** cost of an aircraft grounded per day
- **4 hours** to part decision before Saffron

Results with Saffron

Faster aircraft turnaround with new part finder process

- Able to look across the supply to find partners
- Part decision process reduced to **5 minutes**



Where Saffron Has Made a Difference

Personalized Aircraft Predictive Maintenance Optimization

Customer Challenge

Reduce Aircraft downtime

- Time and money lost to downtime or poorly timed maintenance
- **66%** accuracy, **16%** false alarms

Results with Saffron

Faster aircraft turnaround & personalized schedule

- **94%** accuracy, **1%** false alarms



Where Saffron Has Made a Difference

Nuclear CAP Report Analysis

Customer Challenge

- Manually classified Corrective Action Program (CAP) reports resulted in:
- **Reduced worker efficiency**
- **Plant delays**
- **Misclassifications**

Results with Saffron

- Automatically **classified 18,000** CAP items – out of the box
- **92% accuracy** rate – only 18 false positives and 15 false negatives
- Revealed **relationships between events and root causes**
- Easily **identify and eliminate causes** of adverse events
- **Improve safety**



Where Saffron Has Made a Difference

Product Testing and Defect Resolution



Customer Challenge

Reduce Software Testing Costs & Improve Productivity

- Requirement to scale globally
- Highly competitive marketplace
- Innovation needed for differentiation

Results with Saffron

- **10-15%** productivity improvement
- **50%** test script de- dupe



The Accenture logo, featuring the word "accenture" in a white, lowercase, sans-serif font. A small white chevron symbol is positioned above the letter "t".

accenture

MALLIKA FERNANDES

AI Innovation Lead for global Testing practice





WANT TO CONTINUE THE CONVERSATION?

Meet us at
booth #200
for a live demo

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The image features the Intel AI logo in white against a dark blue background. The word "intel" is in a lowercase, sans-serif font, enclosed within a white, stylized oval shape that resembles a speech bubble or a swoosh. To the right of "intel" is the word "AI" in a large, bold, uppercase, sans-serif font. The background is a dark blue gradient with a network of glowing white nodes connected by thin white lines, creating a sense of connectivity and data flow.

intel[®] AI

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