intel AI
AI ON INTEL
AI Builders Showcase Altoros
ALTOROS™

WHO WE ARE

18

YEARS IN BUSINESS

Since 2001 we have been helping companies digitize revenue streams and shape customer experience

1200+

COMPLETED PROJECTS

Including high-load web applications with petabytes of dynamic data, enterprise software, and complex mobile applications

300+

FULL TIME TEAM MEMBERS

Data Engineers, Data Scientists, Machine Learning Engineers, Software and DevOps Engineers, UX/UI Designers and Front-Enders

WHAT WE DO

From Proof-of-Concept to Production-Grade Development

Each PoC is aimed at feasibility assessment of a particular case and arising business opportunity.

Scale up a pilot to the production ready system.

Determine the right technology stack for selected use cases

Identify use cases in your industry where technology may be the best fit.

Measure disruptive force of each use case and size the opportunity.

Agnostic approach

Being a vendor independent consultancy we evaluate various technical platforms to find the best for your particular use case.

Training

Hands-on lab-style training for your internal teams allowing for faster technology adoption and support.

EXEMPLARY SOLUTIONS

ALTOROS™

COMPUTER VISION

Car Damage Assessment

Car Parts Identification

Damage Understanding

The solution helps to automate the process of assessing car damage right at the accident scene. With a simple interface, users enjoy the possibility to upload photos of a damaged vehicle, and machine learning algorithms do all the magic.

This system can be employed by insurance companies, car rental services, body shops, and drivers themselves.

NATURAL LANGUAGE PROCESSING

Document Workflow Automation

Structured Data Recognition

Knowledge Extraction

The solution enhances extracting and analyzing meaningful information from PDF-based documents.

This very solution comes helpful to those industries and organizations that deal with massive arrays of textual data on a daily basis.

AUTOMATIC CAR DAMAGE ASSESSMENT

ALTOROS™

Automatic Car Damage Recognition Model

Cut the industry average cycle time with AI-powered one-click claims!

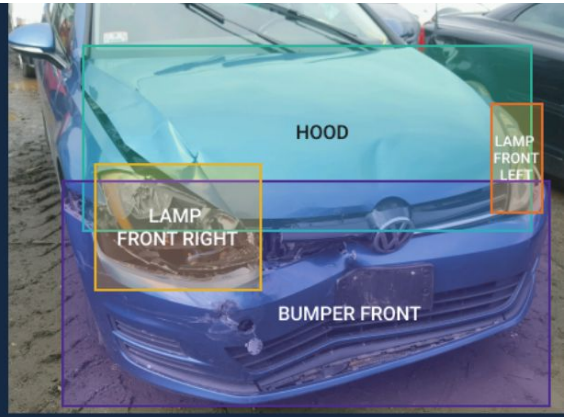
Let our machine learning algorithms help you make decisions faster

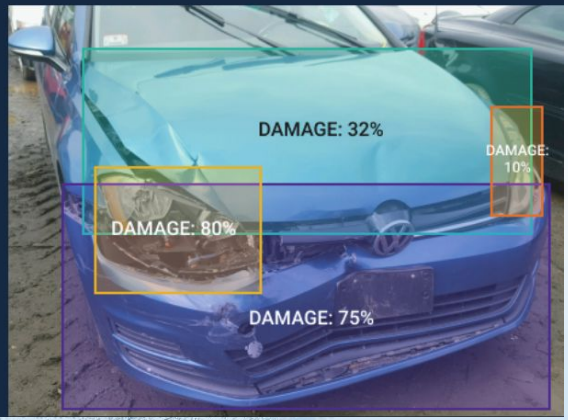
Car Parts Identification

- Parts localization and segmentation
- Photo quality control
- Photo stream processing

Damage Understanding

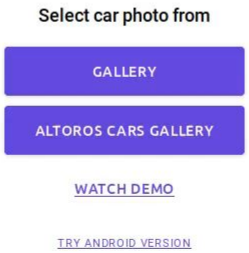
- Car part damage level estimation
- AI-generated estimated cost
- Repair/Replace decision support
- Overall car damage estimation





Interactive demo at

cardamage.altoros.com



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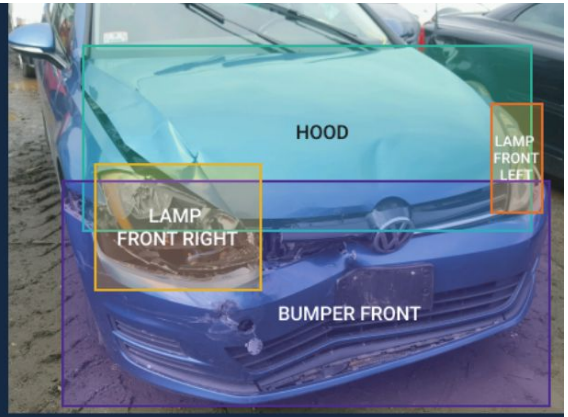
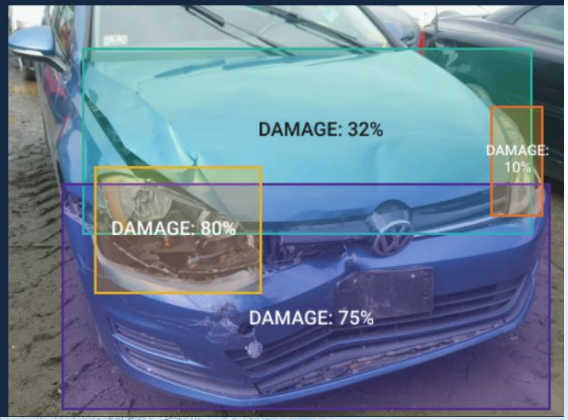




DOCUMENT WORKFLOW AUTOMATION

ALTOROS™

Employ machine learning to power your PDF-based system!

Structured data recognition

- Detection of structural elements (e.g., page headers, footnotes, page numbers, etc.)
- Text extraction from documents with a complex layout
- Table of contents (ToC) recognition
- Establishing links between content and a corresponding ToC item

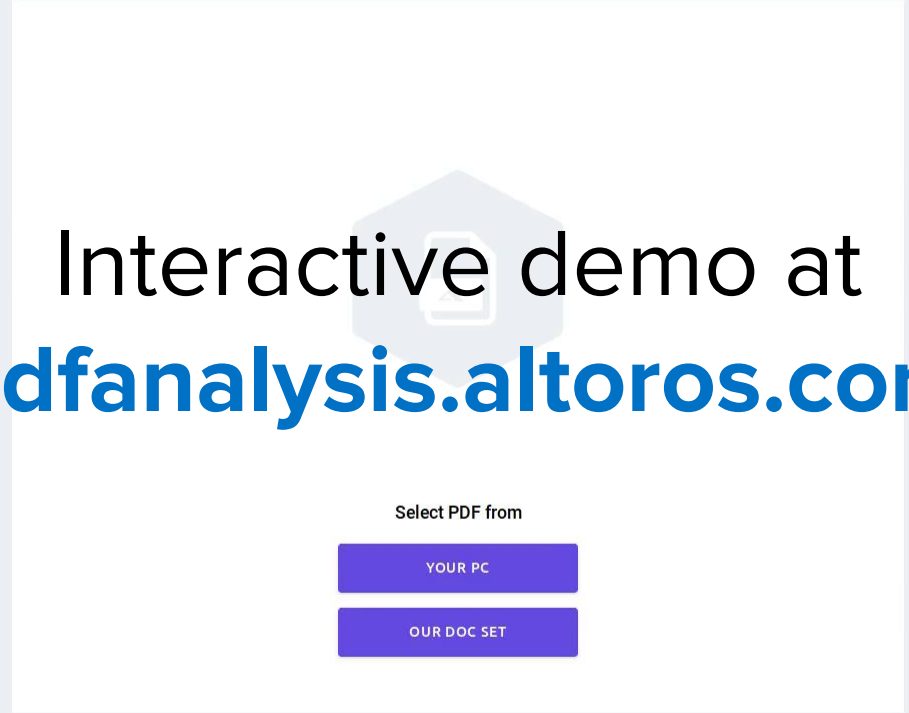
What We Offer

Knowledge Extraction

- Recognizing distinct entities, such as numbers, names, phones, dates, specific instances, locations, organizations, etc.
- Establishing relations between distinct entities (e.g., a person relates to some contact info, places to locations, numbers turn into quantities, etc.)
- Extracting keywords and summarizing text
- Categorizing and comparing texts
- Topic modelling

Interactive demo at

pdfanalysis.altoros.com



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Intel® AI TECHNOLOGY

ALTOROS™

Intel® Xeon® Scalable processors on Google Cloud Platform

Memory-optimized machine type

>1 TB RAM

We were able to load all the data set into main memory!

96 vCPUS

Intel® Advanced Vector Extensions 512

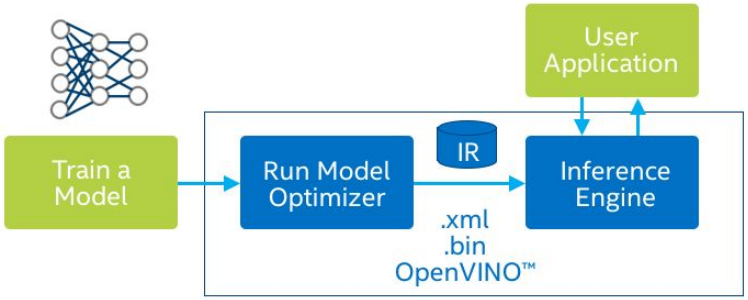
Extremely fast training of Deep Neural Networks!

Intel® AI TECHNOLOGY

ALTOROS™

OpenVINO™

Intel® Distribution of OpenVINO™ Toolkit



- Faster CNN-based deep learning inference at the edge
- Heterogeneous execution across CPU, GPU, Intel® Movidius™ Neural Compute Stick, and FPGA
- TensorFlow support!

@altoros

CONTACT US

ALTOROS™

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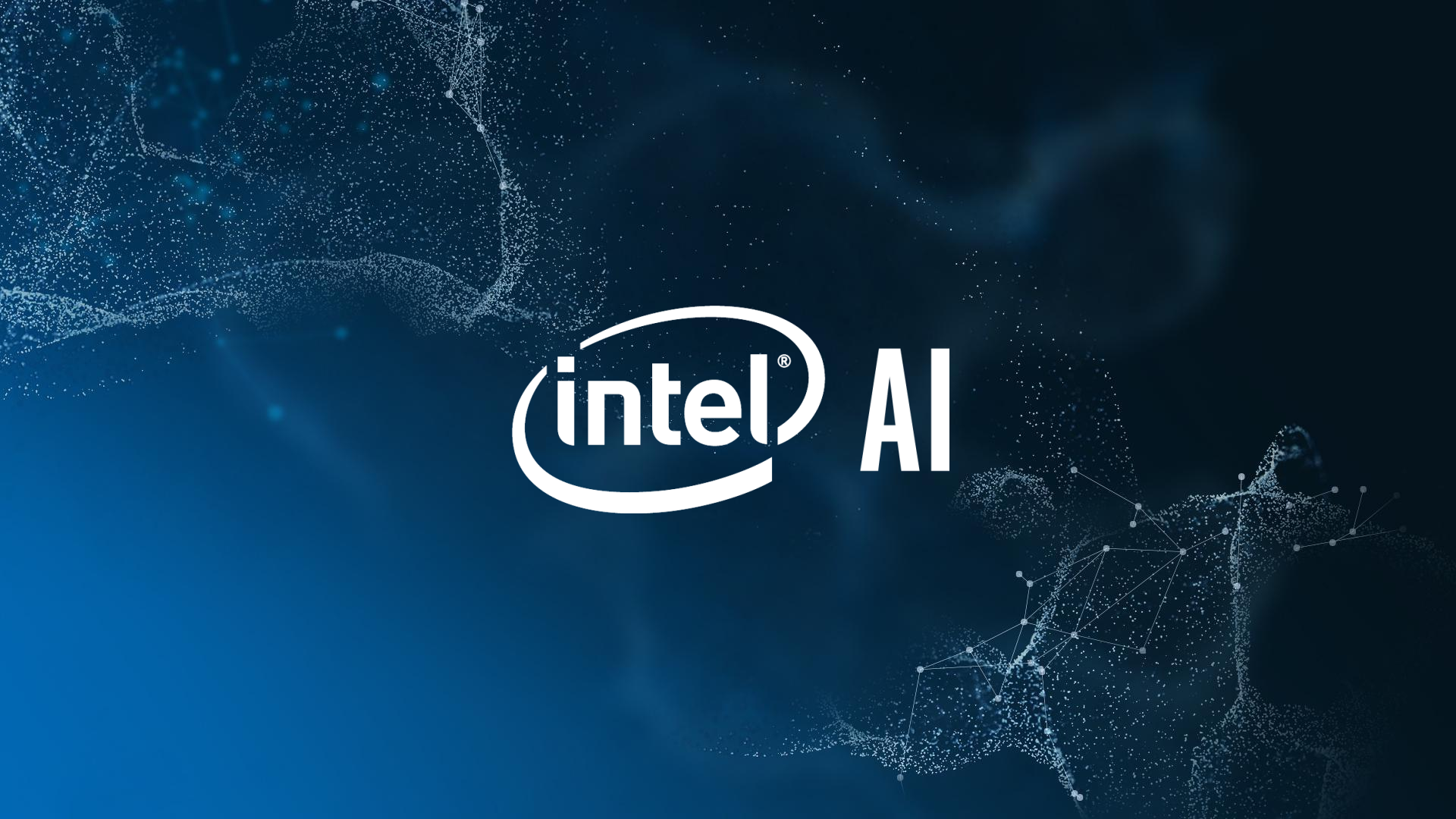
Questions?

Please visit our table or stop by the Intel® AI Builders matchmaking table to set up a private meeting or request a demo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