HEALTHCARE AI FEATURE

AI Technologies to Battle against the COVID-19

AI technologies, which were called ?futuristic? not so long ago, are proving to be an effective tool contributing to fight the pandemic amid healthcare and public health applications. From pharmacology, medical, and hospital care to public places monitoring, and control use a broad range of AI technologies to predict, explain, and manage the different scenarios caused by the health crisis. Data insights help to make progress and deliver results.

Read more

AI DEVELOPMENT TOOLS NEWS

Anaconda and IBM Watson Team to Simplify Enterprise Adoption of AI Open-Source Technologies

Anaconda, provider of the Python data science platform, and IBM Watson announced a new collaboration to help simplify enterprise adoption of AI open-source technologies.

Read more

AI DEVELOPMENT TOOLS NEWS

Qeexo AutoML Now Hosted on AWS, Adds Algorithm Support

The latest release of Qeexo AutoML makes the automated TinyML model development and deployment platform available as a web application hosted on Amazon Web Services (AWS).

Read more

AI DEVELOPMENT TOOLS NEWS

QuickLogic Announces Open Reconfigurable Computing Initiative

QuickLogic Corporation announced its QuickLogic Open Reconfigurable Computing (QORC) initiative. According to the company, this makes QuickLogic the first programmable logic vendor to actively embrace a fully open source suite of development tools for its FPGA devices and eFPGA technology.

[Read more](#)

DEV KIT WEEKLY RAFFLE AND GIVEAWAY
Microchip Hello FPGA Kit

Don?t know AI? Even less familiar with FPGAs? Well don?t worry, because this week on Dev Kit Weekly we?re getting acquainted with the Hello! FPGA Kit from Microchip.

[Watch Now](#)

BIOMETRICS DEVELOPMENT TOOLS NEWS
Sensory?s Biometric Solution Recognizes Users Wearing Face Masks and Doesn't Require Touch

Sensory has combined both face and voice into one SDK. Developers can leverage both face and voice biometrics in real-time to provide a contact free experience to the end-user.

[Read more](#)

AI HARDWARE NEWS
Aetina Releases New Edge AI Computer Powered by the NVIDIA Jetson Platform

Aetina released the AN110-XNX edge AI computer, taking advantage of NVIDIA?s Jetson Xavier NX capabilities. This expands its range of edge AI systems built on the Jetson platform.

[Read more](#)

DATA CENTER AI NEWS
NetApp Deploys Iguazio's Data Science Platform to Optimize Storage Management

NetApp wanted to build a digital advisor that uses AI at scale and in real-time to continually gain insights on these devices and conduct predictive

maintenance on storage.
Read more

EDGE INFERENCING FEATURE

Machine Vision in the mW Range Makes IoT Endpoint Inferencing Practical

IoT endpoints lie at the frontier of embedded vision. And, as with other frontiers, there are challenges, not least of which is power efficiency. Can inferencing at the extreme edge happen without exceeding the node?s power capacity?

Read More

Person Detection in Less Than 4mW, Camera included

	CNN
Ops/Inf (M)	60
Weights (kB)	250
Image Size	96 x 96

Average Power in mW Person detection	NN Processing	Camera	Inference Time	Energy/inf (mJ)	ECM3532	Average System Power
Continuous over 1 sec (1.3 inf.)	Current version	1mW	0.76 sec	3.5	4.6mW	5.6 mW
Continuous over 1 sec (2 inf.)	Further optimization	1mW	0.5 sec	1.5	3*mW	4.0 mW

1mW = 1mJ/sec   *estimate

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