

AI DATA ANALYTICS FEATURE

Smart Application of AI and ML in Data Analysis

Artificial intelligence and machine learning in data analytics make it possible to connect data to obtain insights on consumers, expand their business, and optimize the quality and speed of logistics. Before we look into how these technologies benefit an organization, let's understand the various types of analytics first.

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DETECTION & RECOGNITION FEATURE

The Future of Business Intelligence with AI Technology

In today's world, AI is not a mysterious term, but rather a real business solution. This is the trend that is now driving many solutions across industries. From retail to industrial sector, AI-powered technologies open new possibilities and business models.

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AI EDGE COMPUTING FEATURE

Move Your AI to the Edge of the IoT

AI and the AIoT are changing the rules of the game. Now, decisions can be made at the Edge rather than in the Cloud. In most cases, the decisions are made quicker, because there is no delay because data remains at the Edge. And in many cases, the decisions are just as accurate as the Cloud-based decisions.

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AI EDGE COMPUTING NEWS

Toradex Collaborates with Amazon Web Services and NXP to Release Apalis AI Vision Starter Kit for the i.MX 8 Applications Processor

The kit functions as a reference implementation and was built using cloud, industrial-grade edge software, and hardware. It simplifies the creation of products in industries such as industrial automation, agriculture, medical equipment, and more.

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AI EDGE COMPUTING NEWS

Eta Compute Announces Production Silicon of Energy-Efficient Edge AI Processor

Eta Compute announced it has made the first shipment of production silicon for its ECM3532, a multicore AI processor for embedded sensor applications. The device features the company's patented Continuous Voltage Frequency Scaling (CVFS) technology and has a power consumption of mere microwatts.

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WEBCAST

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AUDIO PROCESSING FEATURE

An Almost Pure DDS Sine Wave Tone Generator: Part 1

Compared to traditional PLL-based synthesizers, NCOs and DDSs are mostly known for their very fine frequency resolution, fast agility, and ease of sine/cosine generation with perfect quadrature. Their principle of operation is governed by digital signal processing and sampling systems theory, and their digital nature allows for fully digital and independent control of the phase, frequency, and amplitude of the output signals.

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