WHAT'S HOT

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INVESTORS DISCUSS HURDLES, OPPORTUNITIES AND THE IMPACT OF CLOUD VENDORS IN ENTERPRISE DATA LAKES

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Leonardo's Cyber, AI Expert Becomes Italy's 'Green Transition' Minister

Italy's new prime minister has hired the chief technology and innovation officer at Italian defense firm Leonardo to help rebuild the country's economy, which has suffered under the coronavirus pandemic.

Roberto Cingolani, who spearheaded cyber and artificial intelligence programs at Leonardo, was named on Friday as Italy's new "green transition" minister, tasked with revitalizing Italian businesses through environmental initiatives.

He will join a Cabinet unveiled by Prime Minister Mario Draghi, a former European Central Bank governor who has been called in to head up a new national unity government after Italy's ruling coalition collapsed amid infighting.

The pressure is on to get a government up and running as Italy scrambles to accelerate its COVID-19 vaccination program and rebuild its economy, which is in its worst downturn since World War II.

Part of the cure will come in the form of more than €200 billion (U.S. $243 billion) in recovery funds freed up by the European Union, but strings are attached. Italy must spend about 37 percent of the funding on efforts that would make economic activity more environmentally friendly — hence the creation of the new ministry Cingolani will run.

Cingolani holds a doctorate in physics and worked as an academic in Italy, Japan and the U.S. before founding the Italian Institute of Technology in Genoa in 2005. He joined Leonardo in 2019, where he focused on digital programs, sustainability, high-performance computing, AI and robotics.

A well-known critic of Italian government red tape, Cingolani will now have a chance to cut through it as a government minister. ∎

DETECTING HUMAN EMOTIONS USING AI-BASED 5G-ENABLED SYSTEM

Researchers have created an AI-based 5G-integrated virtual emotion recognition system that detects human emotions using wireless signals and body movement. The virtual emotion system -- 5G-I-VemoSYS -- can recognise at least five kinds of emotion -- joy, pleasure, a neutral state, sadness and anger -- and is composed of three subsystems dealing with the detection -- flow and mapping of human emotions.

"Emotion detection technology thus has great potential for recognising any disruptive emotion and in tandem with 5G and beyond-5G communication, warning others of potential dangers," said researcher Hyunbum Kim from the Incheon National University in South Korea.

"For instance, in the case of the unstable driver, the AI-enabled driver system of the car can inform the nearest network towers, from where nearby pedestrians can be informed via their personal smart devices," Kim added.

The system concerned with detection is called AI-Virtual Emotion Barrier, or AI-VEmoBAR, which relies on the reflection of wireless signals from a human subject to detect emotions.
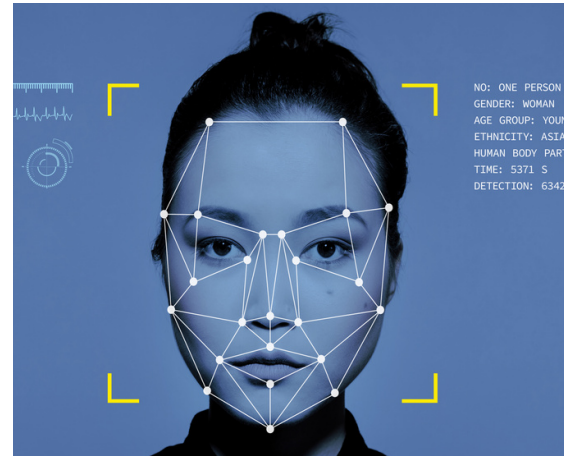
This emotion information is then handled by the system concerned with flow, called AI-Virtual Emotion Flow, or AI-VEmoFLOW, which enables the flow of specific emotion information at a specific time to a specific area. The team found that it allows emotion detection without revealing the face or other private parts of the subjects, thereby protecting the privacy of citizens in public areas.

However, the system suffers from serious security issues such as the possibility of illegal signal tampering, abuse of anonymity and hacking-related cyber-security threats, the researchers said.

Finally, the AI-Virtual Emotion Map, or AI-VEmoMAP, utilizes a large amount of this virtual emotion data to create a virtual emotion map that can be utilized for threat detection and crime prevention. ∎

03

JG SUMMIT TAPS DATA ANALYTICS

Gokongwei-owned JG Summit Holdings Inc. and global measurement company NielsenIQ announced a strategic alliance to help gauge changing consumer behavior and improve customer experience. This is a first collaboration in the Philippines and it introduces an advanced analytics platform (AAP) that will uncover insights about market demands and transactions to help improve shopping experience.

The partnership between JG Summit unit Data Analytics Ventures Inc. (DAVI) and NielsenIQ seeks to identify the right price, promotional campaigns, and product assortment to provide better value for Robinsons loyalty members. DAVI chief executive officer Jojo Malolos said this would help widen the understanding of the "swiftly changing Filipino consumer behavior."

"We have to go deeper into shopper insights. Through loyalty data, we are able to understand the spending habits of our shoppers and connect the dots to identify new programs to enrich our customer's lives. These insights can immediately be acted upon through personalized campaigns tailored for specific individuals," Malolos said.

The AAP uses easy-to-read dashboards, text summaries and online help to enable users to gain maximum insight and productivity sourced from DAVI's data hub. ∎

SOURCE: THE PHILIPPINE STAR

Samsung Electronics hosted its first-ever Galaxy Unpacked virtual event live streamed from Korea to introduce a new suite of power devices. Five devices were revealed during the event, that seamlessly integrate to empower consumers navigating a rapidly changing world:

- Galaxy Note20 and Galaxy Note20 Ultra, the most powerful Note series yet;

- Tab S7 and S7+, versatile tablets for productivity and creativity;

- Galaxy Watch3, a premium smartwatch along with advanced health features;

- Galaxy Buds Live, stylish and ergonomic earbuds with amazing sound quality;

- and Galaxy Z Fold2, the next generation foldable smartphone with enhanced refinements. ∎

SAMSUNG UNVEILS FIVE NEW POWER DEVICES IN THE GALAXY ECOSYSTEM TO EMPOWER YOUR WORK AND PLAY

SOURCE: DAILYMIRROR.LK/

WHO WILL BUILD THE APPLE CAR? FIVE MANUFACTURERS TO WATCH

The list includes automakers and suppliers.

Apple's work on a car has brought to the fore several potential manufacturing partners capable of building an electric self-driving vehicle for the technology giant. The secret project has gained momentum in recent months, adding multiple former Tesla executives, gaining the supervision of Apple's top artificial intelligence executive and ramping up road tests. The initiative, known as Project Titan inside Apple, is attracting intense interest because of its potential to upend the automotive industry and supply chains, much like the iPhone did to the smartphone market.

If and when Apple commits to building a car, it is likely to seek multiple partners. The following companies -- whose representatives declined to comment -- are possible candidates:

[1] Foxconn Technology Group already has a close relationship with Apple - the U.S. company's largest production partner, assembling the majority of the world's iPhones and a big chunk of its Macs and iPads from vast complexes employing upwards of a million people across China;

[2] Magna, based in Ontario, Canada, is the third-largest auto supplier in the world by sales, and has a contract-manufacturing operation with years of experience making entire car models for a variety of auto brands.

[3] Hyundai or Kia: Hyundai and Kia have drawn the most attention so far this year, thanks in part to Hyundai initially confirming reports in Korea last month that it was in discussions with Apple. But the carmaker quickly walked that back and recently repeated that it wasn't in talks;

[4] Nissan: Although it's seen as a long shot, Nissan brings several elements to the table that could be beneficial for Apple;

[5] Stellantis: One factor in determning the suitability of a partner for Apple may be availability of production capacity. This could point to European automakers such as Stellantis NV, which has been hit by the region's sales slump and has spare room in some plants. ∎

SOURCE: AUTOBLOG
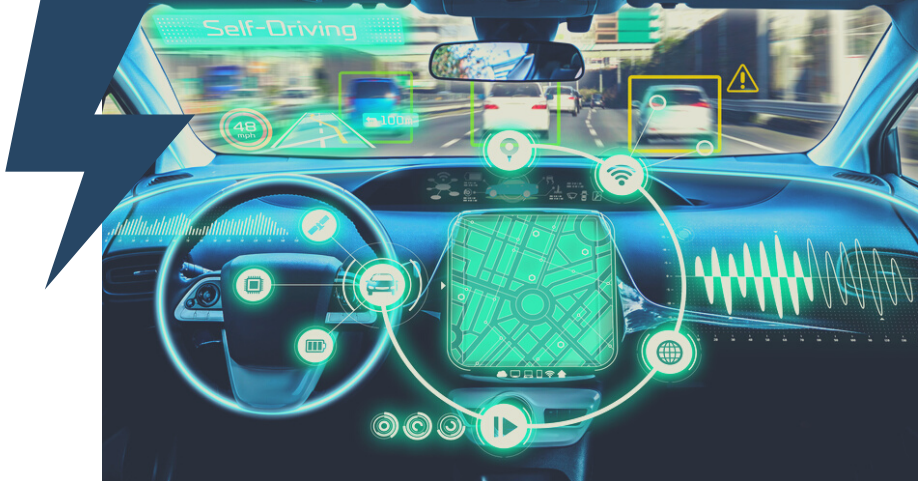
Several major hospital systems across the country will aggregate the data and make it available to researchers, other health-care companies through an app, called Truveta. Many have legal and privacy concerns, however.

Providence and about a dozen other major health care systems across the country said they will join in a venture "unprecedented" in scope to share anonymized patient data in hopes of supporting research and better understanding medical conditions and treatments.

The health care systems will co-own a private Seattle-based startup company called Truveta that will aggregate the data and make it available to researchers, health care providers and pharmaceutical companies, CEO Terry Myerson said. Together, the 14 systems have facilities in 40 states and are in communities with more than 100 million people, according to Truveta. Together, those two systems represent nearly 40 percent of patients in the Puget Sound region, according to Truveta.

More data sharing during the coronavirus pandemic could have provided faster information about how patients were responding to certain treatments or how many patients were experiencing symptoms like the loss of taste and smell.

HOSPITAL APP TO SHARE ANONYMIZED PATIENT DATA FOR RESEARCH

SOURCE: GOVERNING.COM

WHY NONPROFIT LEADERS NEED TO LEAD THE WAY IN INNOVATING EDUCATION

Why haven't today's classrooms changed much in the way they look and operate over the past several decades? Who benefits when children are unable to move from learning to read to reading to learn? Access to evidence-based, whole child-centered learning is not a pie. We don't need to ration piece by piece when we have the ability to democratize education. There is more than enough pie for everyone. We all do better when we all do better.

As nonprofit leaders, we have the immense responsibility to redefine and rethink how we approach our education initiatives. I challenge you as leaders to rethink how we provide sustainable systems change, starting with acknowledging that our efforts are dramatically diminished if we continue to work in silos. Collaboration, partnerships and coalitions offer us opportunities to strengthen our impact by harnessing the power and resources our fellow nonprofits have to offer.

As leaders in the education space, let's commit to supporting the best of both proven and innovative ways of approaching this generation's national epidemic of illiteracy. I believe we can deconstruct the problem and mobilize an all-American effort to provide equity in education, with teachers properly trained in the science of literacy instruction, scalable individualized curriculum and the use of ethical technology that makes it all possible.

Another crucial element to our efforts is to educate ourselves on political candidates, state budget proposals and public-private partnerships that commit to targeted and accountable literacy education initiatives. We are the players who can evoke real change and advocate for greater education in-roads. The ROI isn't just for the children we'll teach. It's exponentially significant to the donors who invest in our nonprofits — and for society as a whole.∎

Source: Voicenews

SCHNEIDER ELECTRIC ASKS COLLABORATION IN INDUSTRIES OF THE FUTURE

Schneider Electric (SE) introduced its Industries of the Future vision at ARC Industry Forum 2021 today. The industry-wide call to action urges industrial enterprises to embrace universal automation, sustainable efficiency, and digitalization to boost global economic recovery and advance manufacturing and process industries. Schneider is on a mission to make the industry of the future possible for all.

Universal automation: SE has challenged industry to advance the underlying technology model to meet modern agility and resiliency demands. "Universal automation" is the world of interoperable, "plug and produce" automation software components, enabled by the IEC61499 standard.

Sustainable efficiency: As the pathway to net-zero factories protecting biodiversity, empowering workers and improving productivity, SE has also called on manufacturing and process industries to approach production with a sustainable mindset.

Software-centric automation: Faced with the continuing disruption of the pandemic and ever-changing customer requirements, SE has underlined the importance of software.

Tomorrow's challenges will not be addressed with new hardware but will require the intelligent application of software-based technologies, believes Schneider. This digital paradigm has the potential to provide unprecedented operational capabilities and support new business opportunities for all industrial stakeholders. ∎

Source: DigitalJournal
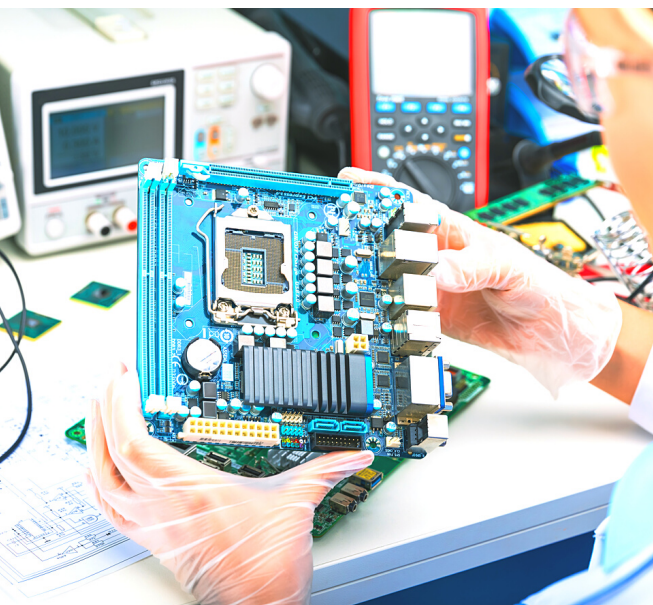
3 Investors Discuss Hurdles, Opportunities and The Impact of Cloud Vendors in Enterprise Data Lakes

Data warehouses weren't originally designed for the unstructured data needed to build machine learning algorithms, and the data lake concept was developed as a way to take raw data and store it until necessary. It was not neatly arranged on all labeled and organized store shelves, it was more amorphous and crude.

Over time, this idea has attracted the attention of cloud providers such as Amazon, Microsoft and Google. Additionally, it has caught the attention of investors as companies like Snowflake and Databricks have built substantial companies on the concept of a data lake. Even as this was happening, the startup founders began identifying other adjacent problems to attack such as moving data into the data lake, cleaning it, processing it, and funneling it to applications and algorithms that could actually use that data.

While this was happening, data science advanced outside academia and became more prevalent within companies. At that point there was a whole new modern ecosystem and when something like this happens, ideas are developed, companies are built and investors come.

Dharmesh Thakker: Databricks (in which Battery has invested) and Snowflake have certainly become household names in the data lake and warehouse markets respectively. But technical requirements and business needs are constantly changing in these markets and it is important that both companies continue to invest aggressively to maintain a competitive edge. They will have to keep innovating to continue to be successful.

Regardless of how it evolves, we feel excited about the ecosystem that is emerging around these players (and others) given the huge data expansion that occurs across cloud and on-premise workloads and around a variety of vendors. of data storage. We believe there is a significant opportunity for vendors to continue to emerge as "layers of unification" between data sources and different types of end users (including data scientists, data engineers, business analysts, and others) in the form of integration middleware (ELT cloud providers); real-time streaming and analysis; governance and data management; data security; and data monitoring. These markets shouldn't be underestimated.

We spoke to three investors about the data lake idea and why they are so intrigued by it, the role of cloud companies in this space, how an investor finds new companies in a maturing market, and where the opportunities are and the challenges in this profitable area.

- Caryn Marooney, general partner, Coatue Management
- Dharmesh Thakker, general partner, Battery Ventures
- Casey Aylward, principal, Costanoa Ventures

Where are the opportunities for startups in the data lake space with players like Snowflake and cloud infrastructure providers so firmly established?

Caryn Marooney: The data market is very large, driven by the opportunity to unlock value through digital transformation. Both data lake and data warehouse architecture will be important in the long term because they address different needs.

For established companies (think big banks, big brands) with a significant existing data infrastructure, moving all data into a data warehouse can be expensive and time-consuming. For these companies, the data lake can be a good solution because it allows for federated query and optionality between data sources.
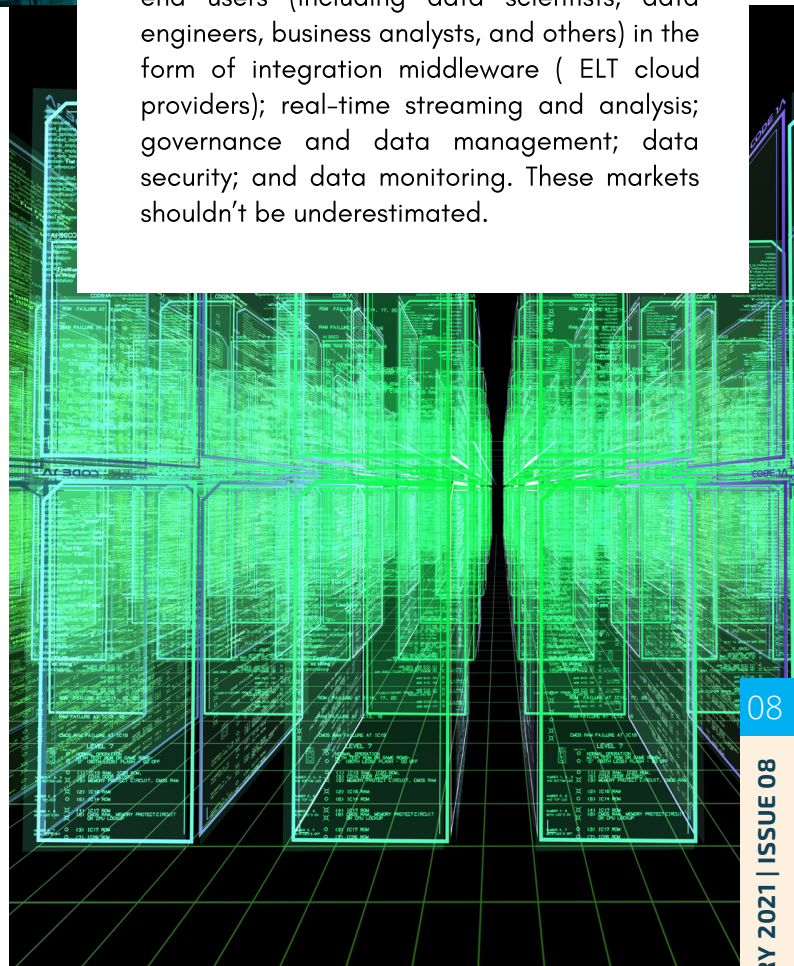
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- Dharmesh Thakker, General Partner, Battery Ventures

Casey Aylward: There are a handful of great opportunities in the data lake space even with many established cloud infrastructure players in the space:

Business intelligence / analytics / SQL may end up converging with machine learning / code like Scala or Python in some products, but these domains have different end users and communities, programming language preferences, and technical skills. In general, architectural lock-ins are a big point of fear within the core infrastructure. This is true for end users with their cloud providers, storage solutions, processing engines, etc. The solutions will be heterogeneous for this reason and the technology that allows this flexibility will be important.

As data moves today, it is reprocessed across each platform, which at scale is inefficient and costly. There is an opportunity to create a technology that allows users to move data without rewriting transformations, data pipelines, and stored procedures.

Finally, we are seeing more traction around general data processing frameworks that aren't MapReduce under the hood, especially in the Python data science ecosystem. This is a transition from Hadoop or even Spark, as they are not always best suited for unstructured, more modern algorithms.∎

Source: TechCrunch

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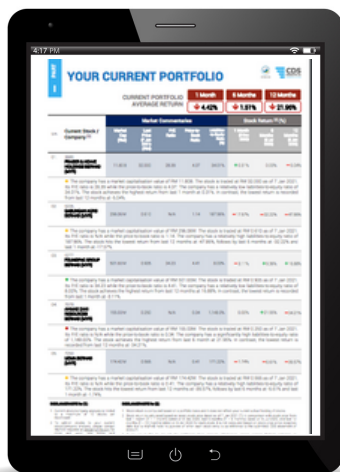
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8	Healthcare & AI
9	AI & Governments
10	Supply Chain & AI
11	SDG Measurement Using AI
12	AI's Role in Governance, Risk & Compliance (GRC)
13	Diversity & Board Performance
14	The Future of Education
15	The Future of Cooperatives

THREE WAYS YOU CAN BUILD & OWN AI WITHOUT CODING

➡ You have an idea

Yes - this idea must originate from a pressing need, pain point or an opportunity that is associated with your current operations and/or industry dynamics.

There must be a ready demand for that idea to be transformed into a system - otherwise it has to be incubated or "cook" to be ready for the market.

➡ From idea to system prototype and business plan

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8 core deliverables will be rendered:
1. Mock-up Reports 2. Technological Blueprint 3. Roadmap 4. Prototype 5. Case Studies 6. 1-min Demo Video 7. Press Release 8. Pitch Deck

➡ We both ....

jointly own the IP in accordance to a pre-agreed ratio where MyFinB funds the full capex while you cover the costs of the prototype

We commercialise and launch them to the market based on the pre-agreed specifications and after the full system development is completed by MyFinB. Roles and responsibilities would have been detailed out, and a long-term partnership is forged.

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MyFinB uses its proprietary NLGU and Cognitive Analytics capabilities to serve 10 core segments: Financial institutions, Enterprises / SMEs, Accounting and Auditing Firms / Consultants, Government Agencies, Credit bureaus, Stock Exchanges, Insurers, Trade Associations and Business chambers, Universities and Investment Promotion Agencies.
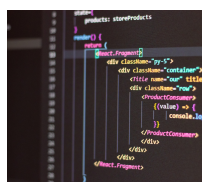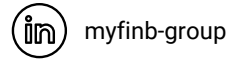
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MyFinB's DIAL Programme offers a unique AI-as-a-Service (AIaaS) platform to overcome the barriers of adopting AI Systems. DIAL targets people without the knowledge of coding and programming to build their own expert systems for their organisations.

"NOW EVERYONE CAN BUILD AND OWN AI WITHOUT CODING."

TO FIND OUT MORE, PLEASE EMAIL: CEAI@MYFINB.COM

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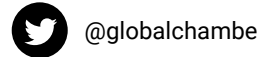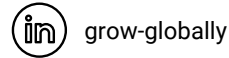
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