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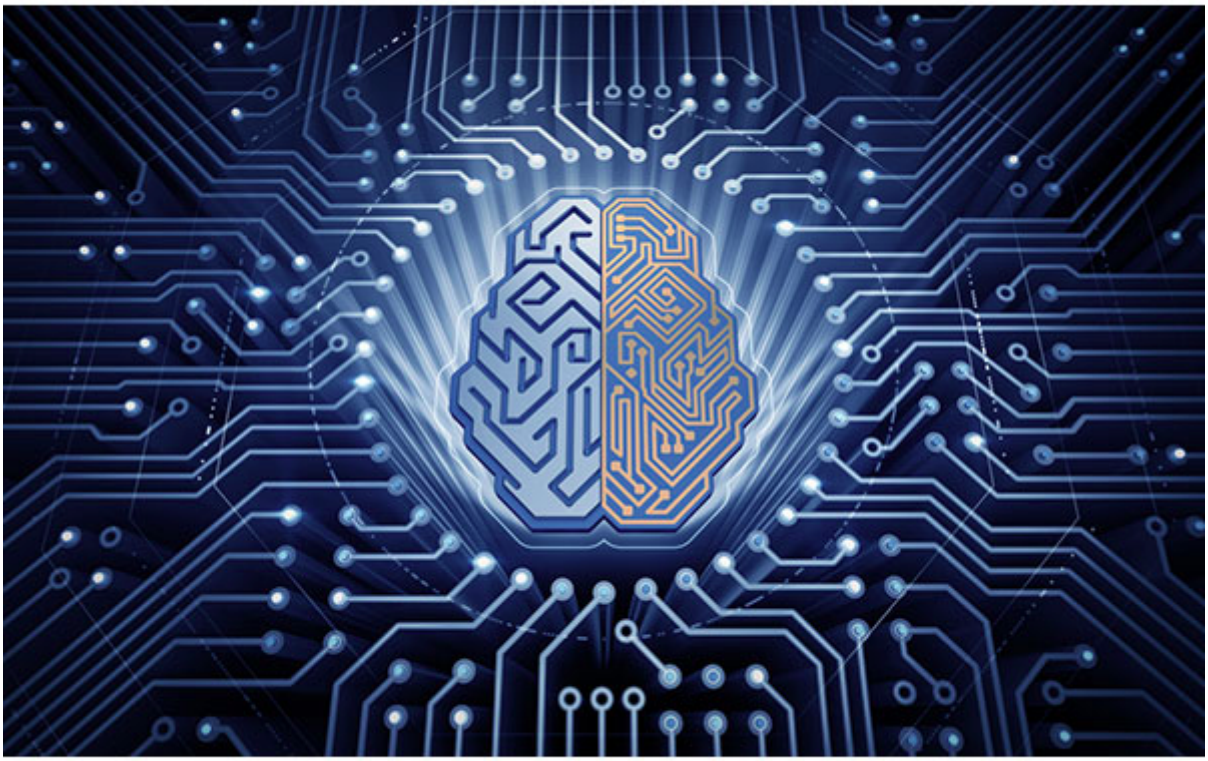

The world of IT can’t get enough of machine learning (ML) and its potential to transform the way future generations interact with the

world. With this technology, self-driving vehicles have gone from a theory to a reality that is less than a decade away from being widely accepted in open roads. ML has other valuable applications such as advanced fraud detection techniques by studying and countering some of the most prevalent fraud initiatives around, as well as its email-filtering abilities to help keep phishing scams at bay with cybersecurity software.

The sky is the limit for this technology, which may soon make life easier for us in the form of more advanced cognitive learning applications and improved personalized capabilities for recommendation engines. WorkFusion offers a slew of intelligent automation softwares that help companies monitor incoming threats, automate menial tasks and save on overhead costs.

Here are four machine learning trends that could become a reality in the near future:

1) Intelligence on the Cloud

Algorithms can help companies unearth insights about their business, but this proposition can be expensive with no guarantees of a bottom-line increase. Companies often deal with having to collect data, hire data scientists and train them to deal with changing databases. Now that more data metrics are becoming available, the cost to store it is dropping thanks to the cloud. There will no longer be the need to manage infrastructure as cloud systems can generate new models as the scale of an operation increases, while also delivering more accurate results. More open-source ML frameworks are coming to the fold, obtaining pre-trained platforms that can tag images, recommend products and perform natural language processing tasks.

2) Quantum Computing Capabilities

Some of the tasks that ML can help companies deal with is the manipulation and classification of large quantities of vectors in high-dimensional spaces. Current algorithms take a large chunk of time to solve these problems, costing companies more to complete their business processes. Quantum computers are slated to become all the rage soon as they can manipulate high-dimensional vectors at a fraction of the time. These will be able to increase the number of

vectors and dimensions that are processed when compared to traditional algorithms in a quicker period of time.

3) Improved Personalization

Retailers are already making waves in developing recommendation engines that reach their target audience more accurately. Taking this a step further, ML will be able to improve the personalization techniques of these engines in more precise ways. The technology will offer more specific data that they can then use on ads to improve the shopping experience for consumers.

4) Data on Data

As the amount of data available increases, the cost of storing this data decreases at roughly the same rate. ML has great potential in generating data of the highest quality that will lead to better models, an improved user experience and more data that helps repeat but improve upon this cycle. Companies such as Tesla add a million miles of driving data to enhance its self-driving capabilities every hour. Its Autopilot feature learns from this data and improves the software that propels these self-driving vehicles forward as the company gathers more data on the possible pitfalls of autonomous driving technology.

WorkFusion has a robotic process automation (RPA) suite that helps companies accrue more data on their business processes, churning out ways to bolster solutions.
