

The future of jobs

There is a great deal of interest in crypto currencies.



By Prashant Bhalla

DATA scientist, digital artist, app developer, virtual assistant, blogger; what do they have in common? All these are jobs that didn't exist 20 years ago.

When I was growing up, I was not aware of the term data mining, data scientist, user-experience design or front-end engineering, but now they're some of the most desirable careers in the world. Nowadays, we can't just prepare students for certain types of careers, we have to allow them to adapt to whatever new careers come into view. According to a 2016 report by the World Economic Forum, 65 per cent of children entering primary school these days will eventually end up functioning in entirely new job types that don't yet exist.

Even old jobs will look completely dissimilar in workplaces altered by technology, changing demographics and globalisation. So how do we plan to prepare students for jobs and workplaces for future?

We can't predict exactly what these new jobs will be. But from the assessment of various experts, we get a fair idea of what's in store for our graduates in the years to come. Here is a look at some of the jobs of the future.

DRONE OPERATORS: With the continued attractiveness of drones, in the future there will be drones for everything including delivery services, forensics and filming. Once drones take over the world, there will be a huge need for business-related civilian drone worker. This will necessitate a pilot's license and supplementary widespread training and knowledge. In the next few years, it will not be unusual to see major delivery airlines using near-pilotless airplanes. Amazon has already projected the idea of using drones for local deliveries.

BITCOIN ADVISOR: Whether or not you are related to Bitcoin,

In the future there will be drones for everything, requiring specialists (right) to operate them.

digital currencies are on the rise as people are becoming untrusting of government-controlled currency. To make sure you do not have an informal financial portfolio in the future, you require soliciting a digital currency advisor who is well-versed in the crypto currencies to uphold a diversified portfolio. Skills include a degree in computer safety and monetary management.

DATA SCIENTIST: Data scientist looks to be the IT job of the moment. But how much of what you've heard is publicity and assumption, and how much of it is based on reality? Generally, when something sounds too good to be true, it probably is. However, the demand for data science is winning the world by storm, and companies large and small are demanding to find workers who can understand and combine data, and then converse these findings in a way that proves advantageous to the organisations. By 2020 the number of data science and analytics job listings is proposed to grow by approximately 364,000 listings to approximately 27,20,000 at both well-known companies and startups.

MACHINE LEARNING: Machine learning, as a demand, developed gradually quite rapidly in the most recent years with new methods, technology, languages, new frameworks, new things to learn, which made it very essential for people to be eager to learn. It is a field basically intended for



A look at how to prepare for the careers and workplaces of the coming decade



SKILLS THAT MATTER

PROBLEM SOLVING
In the information age of the 21st century, organisation needs workers who can think creatively, recognise and resolve more and more difficult problems. In fact, as far as the World Economic Forum report, in 2020, more than one-third (36 per cent) of all jobs across all sectors are expected to require multifaceted problem-solving as one of their important skills.

CRITICAL THINKING
From Wikipedia to mass media, we're loaded with information today than at any time in history. The trend will continue in the future, requiring employees to be more well-organised, critical thinkers and customers of information. The candidate need to quickly distinguish among credible and non credible sources; scan information for bias, reason, and precision; and recombine those facts to generate new answer and products.

TEAM WORK
As tomorrow's workers team up with colleagues across the hall and around the globe, they'll need technological and communication skills and the ability to understand other cultures and viewpoint.

NAIDU CALLS INDIA A LAND OF OPPORTUNITIES

By Education Mail Bureau

VICE President M Venkalah Naidu (in pic) has described India as the land of opportunities for talented and ambitious youngsters. He was speaking after giving away graduation certificates to the students of Banasthali Vidyapith, a women's university in Rajasthan, recently. "One can achieve anything with hard work and passion irrespective of one's background," he said. The vice president hoped that stu-



dents will make use of their knowledge and training to contribute towards nation-building and make a positive impact on the world around

them while pursuing their own dreams. Describing the Vidyapith as the epitome of tradition and modernity, Naidu said that he was amazed to see the amalgamation of values and culture at the university.

Aditya Shastri, chancellor of the university, said the institution never followed a Westernised style of convocation ceremonies. "We have always followed the tradition of beginning the convocation with Vedic Richas," said Shastri.

logical minds. As a career, it combines technology, math, and business analysis into one job.

Machine learning, much like any data-driven job, doesn't exist in a vacuum. Almost all the industry and business has their unique goals and wants. That being the case, the more you can learn about your desired industry, the better off you'll be.

DIGITAL ARTISTS: Digital or

multimedia artists use technology to make their artwork come alive. In addition to conventional art techniques, such as drawing and sculpture, digital artists use computer software to produce 3-D animation, interactive website graphics, or digitally enhanced photographs. They may also develop storyboards for animation scenes and edit animation effects. Digital artists normally work in motion pictures, software

publishing, and advertising firms.

In adding up to artistic skills, digital artists must be skilful in the use of computer design programs, such as Adobe InDesign and Photoshop or Dreamweaver. Subject to the field, marketing and Web design ability may also be helpful.

WASTE DATA MANAGERS: To ensure data integrity in today's fast developing informa-



A data scientist at work.

tion storage industry, numerous redundancies have been built into the system. Achieving more data storage in the future would need specialists who can liberate our data centers of unnecessary copies and playful clutter.

HOSTAGE SPECIALISTS: Holding data hostage, unlike human beings, is a less-risky crime that can be done remotely and has the prospective for far greater rewards. This is especially true if the country you're living in overlooks your actions. This type of movement will give rise to the likes of data-hostage negotiators, data-retrieval specialists, and

damage-control analysts. To keep up with these changes people need to be quick and forget about the old way of saying, I want to be a doctor, or I want to be a teacher. Although the demand for these service jobs will still remain important, a better way of preparing our children for the future is to educate them with numerous skills and the ability to innovate, communicate and be comfortable with technology, rather than concentrating deliberately on one area.

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—PRASHANT BHALLA, Chancellor MRIIRS