

1

0:00:00

I have the privilege to experience both sides of the educational circle as a university professor and a working data scientist who provides a real-life solution and also makes actually hiring process of recently graduated students. So from one hand side, I can evaluate actually the quality of knowledge that the studies provide to young individuals. And from the other hand, I can understand the real demand

2

0:00:38

of the market right now.

1

0:00:40

And so I can somehow predict it for the next decade. But you know what happens is that we as a human, we always do this error of prediction, since we like the pace of the developments, especially the technological developments, being linear, which is not true. So we somehow can measure the changes and we want them to be the same. And it's not true. It's much faster and it will go much further than we can expect. So in order to make the prediction, we need to make these extrapolations much further than just the linear one. Which for us could be seems like unrealistic and we would not accept it. Since this prediction as for humans, we will not tolerate it. But this is what's going to happen. And this is what I will try to prevent from my side. And so without hanging out for me, that the institutions appears to be under doing a transformative shift, especially in light of recent achievements of AI. And the shift will be necessary and will be stimulated by competitors of the universities such as online study platforms, they would be able to ensure the same or even better quality for students. And finally what will happen is that the company will be looking for their new employees as the most flexible, smart, responsible to change person rather than the person with the diploma. And once it happens, the university have to be the best in order to get it. Since the students will not agree anymore to spend their entire day listening to the lecture that they can learn by themselves or spend any minute useless just for getting the diploma. They will go for their quality knowledge. So this will be the very big challenge for the university to maintain their top position in these very new conditions. So the role of the professor, from my point of view, will evolve from the traditional lecturer to a facilitator of learning. With these new AI-powered systems capable of personalizing learning based on the strengths, the weaknesses of students, their position, preferences, space. So the role of the professor will be to guide, to mentor, to provide deeper insights, and not just facilitate, ensure this learning. We need to ensure that the student will truly understand and will be able to apply the knowledge. So which methodologies I see are preferable in this timescale? For me, the first will be the student-centric approach without handouts. So, instead of having this traditional lecture-driven model, the students will be in the center they will try to engage with the content on their own time and then leveraging probably the online resources and then when they come to the class, it's no longer about passive education. It will be active engagement, discussions, problem-solving sessions and

interactive activities to become the norm. And also, there will be more competency-based learning. So in the company, they will seek for this high level of competency after the educational circle. Then we, as the professors, we need to ask the question, are our students competent in the skill they need? And so this will lead the direction of the learning paths for the students, ensuring that they are truly ready for the challenges of the real world. And finally, it is definitely personalized learning paths. That's what I said. We will go from this all one size fit paradigm to completely unique personalized studies and crafted to get the best experience for each student. And the technologies that I assume, it's all possible AI techniques, all possible AI applications that we just started, and I suppose in 10 years there will be a huge variety of them. and also augmented reality and virtual reality is something that we are not experiencing that much, but I expect that in the near future we will get most of the experience with augmented reality and Saying all that, I really and I truly believe that it still will be necessary the human touch in education. For me, it remains irreplaceable. The same as the huge success of the Chai Chibiti is actually the human in the loop of the Chai Chibiti. So we need to also maintain this human in the loop and the best technologies will be those that can help and can amplify our human capabilities, fostering that deep connection and rich understanding rather than trying capabilities, fostering that deep connection and rich understanding rather than trying to substitute or replace our creative aspect of teaching.

Transcribed with Cockatoo