Why Is It Important To Have Visibility In A System?

Gemma Bird, Head of Biometric Platform

There are three main reasons it's important to have visibility of the data in your system. The first is to have visibility of attacks to understand the attack landscape. If you do not have visibility of what type of attacks are coming through, it makes it very difficult to prioritise what spoof types you need to mitigate against. It also doesn't allow you to understand how the attacker's is behavior is changing and when they are coming close to breaking certain systems.

The second part is making sure that when we do identify that there is a potential vulnerability, that we have data that is representative of a data we experience in the real world. So the data has a good distribution of different ages, genders, ethnicities, lighting conditions etc.

The third part is to make sure that we do not introduce any bias into the system. This is very difficult where you do not have the ability to see that data. To identify bias, you need to be able to see the bias first and then to mitigate it you need examples of that data so that you can retrain your models in a way which doesn't introduce bias into your system.