Summary Post

by Jens Kolby - Saturday, 23 August 2025, 8:06 AM

Number of replies: 0

In my initial post, I argued that cybersecurity in the financial sector will struggle to keep up with the rapid development of AI-driven threats. After reflecting on peer feedback and the first four units of this module, I remain convinced that this is the case. What has changed is not my conclusion, but my understanding of how broad the challenge really is. It is not only technical, but also social, ethical, and organizational.

In my peer response to M.S.´s post about AI in healthcare, I engaged with the example of vaccine development accelerated by machine learning. I found the use of DeepMind to shorten development timelines highly informative, but I questioned whether faster production inevitably compromises quality. This exchange highlighted for me that computing is not only about efficiency and innovation, but also about how we balance outcomes such as precision with ethical responsibility, especially in the healthcare system.

A. A. emphasized in her post on AI in education that she raised concerns about bias, data privacy, and inclusivity, which I agreed with. I added the example of encryption standards, noting how the phase-out of TLS 1.0 and 1.1 improved overall security but left some institutions more vulnerable (Sheffer, Saint-Andre and Tschofenig, 2021). This illustrates how technological progress can create inequalities in access, particularly affecting educators, journalists, and organisations with limited resources. Unit 1’s

emphasis on equality and inclusion helped me connect these issues to broader computing challenges.

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Conclusion

Overall, while I maintain my view that cybersecurity will struggle to keep up with AI, the discussions with my peers and the content of the four units have encouraged me to reflect in a more multidimensional way on how technical foundations, development processes, and social considerations are intertwined and should always be part of decision-making.

Reference

Sheffer, Y., Saint-Andre, P. and Tschofenig, H. (2021) Deprecating TLS 1.0 and TLS 1.1. RFC 8996. Internet Engineering Task Force (IETF). DOI: 10.17487/RFC8996.