Murphy’s Law Meets Moore’s Law: Whatever Can Be Automated, Will Be Automated by AI

Throughout history, humanity has feared new technologies and their impact on daily life. From calculators in our pockets to AI-powered assistants, every advancement has sparked concerns about dependency and change. Today, AI challenges not just physical tasks but also our cognitive skills, making us question its role in education and work.

Like any tool—be it a knife or a computer—AI is neither inherently good nor bad; its impact depends on how we use it. In education, traditional assessments once focused on memorization, but the internet forced a shift to project-based learning. Now, with AI-generated content, we must evolve again: ensuring students not only complete tasks but also understand and explain their work. Instead of fearing AI, we should leverage its strengths. Generative AI excels at drawing connections, answering specific questions, and clarifying concepts, ultimately enhancing the learning experience.

Similarly, in the workplace, AI is reshaping industries, automating routine tasks, and demanding new skill sets. While some jobs will change, new opportunities will emerge—just as they have with every technological revolution. And as Murphy’s Law reminds us: whatever can happen, will happen. The key is not to resist change but to adapt and make the most of it. In this talk, I will explore these transformations.

Bio - Prof. Dr. Mohammad Mahdavi

Prof. Dr. Mohammad Mahdavi is a Professor of Data Science at Gisma University of Applied Sciences in Potsdam, Germany. His research focuses on designing effective and efficient data science systems for heterogeneous datasets, covering key areas such as applied machine learning and natural language processing. He has published papers in leading data science and mining conferences, including PVLDB, SIGMOD, and CIKM, and was honored with the ACM SIGMOD Most Reproducible Paper Award. He received his PhD with Summa Cum Laude from Technische Universität (TU) Berlin in 2020. He holds an MSc in Artificial Intelligence from the University of Tehran and a BSc in Computer Engineering from the Iran University of Science and Technology.