Elevator Talk : Presentation of Yoshua Bengio

Yoshua Bengio is a Canadian computer scientist globally recognized as a pioneer in artificial intelligence (AI), particularly **deep learning**. Born on March 5, 1964, in Paris, France, he grew up in Canada and completed his Ph.D. in Computer Science at **McGill University** in 1991. He is a Full Professor at the Department of Computer Science and Operations Research at the University of Montreal and serves as the Scientific Director of **Mila** (Quebec Artificial Intelligence Institute), one of the world's leading AI research centers.

Bengio has made groundbreaking contributions to the field of deep learning, helping it emerge as a cornerstone of modern AI. His research includes innovations in deep neural networks, probabilistic models, and variational autoencoders, as well as distributed representations for words that laid the groundwork for natural language processing advancements. His work has transformed diverse areas such as computer vision, speech recognition, and machine translation.

In recognition of his contributions, he was awarded the **2018 Turing Award**, often called the "Nobel Prize of Computing," alongside Geoffrey Hinton and Yann LeCun. Other prestigious honors include being named an Officer of the **Order of Canada** (2017), a Fellow of the **Royal Society of Canada** (2017), a Fellow of the **Royal Society of London** (2020), and a **Chevalier of the French Legion of Honor** (2022).

Bengio is also a vocal advocate for ethical AI. He contributed to the **Montreal Declaration for Responsible AI** and frequently engages in discussions about the societal and ethical impacts of advanced AI technologies. He is deeply concerned about ensuring AI development aligns with human welfare and advocates for transparency and accountability in AI systems.

As one of the most-cited computer scientists globally, Bengio has authored hundreds of influential research papers, shaping both academic research and industrial applications. His leadership at Mila has fostered collaborations between academia, industry, and policymakers, solidifying Montreal's status as a global AI hub.

Through his pioneering work and dedication to responsible AI, Yoshua Bengio continues to influence the trajectory of artificial intelligence, inspiring researchers and practitioners worldwide.

Source: ChatGPT and English Wikipedia