

Department of Data Science
Weekly Data Science Bytes

**Harvard Scientists Unveil Tiny Ring Laser With Giant
Potential**



- Scientists from the Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS), in collaboration with the Vienna University of Technology (TU Wien), have developed a groundbreaking semiconductor laser that offers broad and precise wavelength tuning in a compact, chip-sized format. This new laser design brings together the most effective features of today's leading laser technologies.
- Tunable lasers, which allow users to adjust and control the color (wavelength) of the light they produce, are essential in a wide range of fields. These include fast data transmission in telecommunications, advanced medical testing, and the detection of leaks in gas pipelines. However, current laser systems often involve compromises. Lasers with wide color ranges typically lose precision, while those that can finely tune to specific wavelengths tend to be complex and costly because they rely on mechanical components.

Trump says no to 'woke' Artificial Intelligence in AI action plan for US



- The order, released on Wednesday, outlines a sweeping new plan for America's "global dominance" in artificial intelligence. Trump signed three executive orders for this plan, and getting rid of "woke" in AI was one of its objectives.
- The US President came down heavily of diversity, equity and inclusion (DEI) initiatives, saying in context of AI, it was responsible for "distortion of factual information about race or sex".
- "DEI displaces the commitment to truth in favor of preferred outcomes and, as recent history illustrates, poses an existential threat to reliable AI," the White House order read.

**We make complex things simple, and coding is next: Canva's
Cliff Obrecht**



Canva, a visual communication platform that still finds fragmented competition but no direct rival, is rapidly building on a foundation carefully curated over the past year. Artificial intelligence (AI) experiences and relevance for enterprises mark Canva's duality in focus. This comes at a time when the competitive landscape doesn't just include creative and workspace tools from the likes of Adobe, Google and Microsoft; but an increasing number of generative AI tools that rightly stake claim to creative prowess themselves.

10 lakh people to get free AI training, says Ashwini Vaishnaw



- Ashwini Vaishnaw was speaking at the Yashobhoomi Convention Centre in New Delhi during the celebration of 10 Years of Digital India by the Ministry of Electronics and Information Technology (MeitY).
- Common Service Centre e-Governance Services India Limited (CSC SPV), under the Ministry of Electronics and Information Technology (MeitY), conducted the celebration of the ten-year-old Digital India initiative.

Donald Trump admits he wanted an Nvidia breakup but found out 'it's not easy in that business'



- US President Donald Trump has admitted he considered breaking up Jensen Huang's chipmaking company Nvidia Corp. to increase competition in the artificial intelligence chip space before he found out that “it’s not easy in that business.”
- Speaking at an AI summit in Washington on Wednesday, Trump said, “I said, ‘Look, we’ll break this guy up,’ before I learned the facts here.”
- He was told by his aides that breaking up Nvidia was “very hard” and that the company had a substantial advantage over its competitors, which will [take](#) years to change, Trump said.