Bio:

Dr. Chetan Thakur received his Ph.D. in Neuromorphic Engineering from the MARCS Research Institute (Brain, Behaviour, and Development) at Western Sydney University in 2016, under the mentorship of Prof. André van Schaik. Following his Ph.D., he served as a Research Fellow at Johns Hopkins University, working with Prof. Ralph Etienne-Cummings.

He earned his M.Tech. from the Indian Institute of Technology (IIT) Bombay in 2007. Before transitioning to academia, Dr. Thakur gained six years of industrial experience at Texas Instruments, Singapore, where he worked as a Senior Integrated Circuit Design Engineer, focusing on IP development for mobile processors.

Dr. Thakur's research expertise lies at the intersection of neuromorphic computing, quantum control electronics, mixed-signal VLSI systems, computational neuroscience, probabilistic signal processing, and machine learning. Trained by pioneers in neuromorphic engineering, his primary research interest is in understanding the brain's signal processing mechanisms and leveraging that knowledge to develop novel, intelligent systems. He is passionate about building real-world systems and translational research.

He has been recognized with several prestigious awards, including the Young Investigator Award from the Pratiksha Trust, the Early Career Research Award from the Science and Engineering Research Board (SERB), India, the INSPIRE Faculty Award from the Department of Science and Technology (DST), India, and the Abdul Kalam Innovation Award from the Indian National Academy of Engineering (INAE).