Dr. Pranav Mundada is a Lead Scientist at Q-CTRL, where he leads a multidisciplinary team combining experimental quantum physics with advanced control techniques to enhance the performance of current quantum devices. His work spans quantum firmware, algorithmic execution, and quantum error correction; delivering solutions that have been successfully validated across multiple quantum computing platforms. His team also pioneered the use of AI-driven logic for fully automated system bring-up from a cold start.

Before joining Q-CTRL, Dr. Mundada was a Porter Ogden Jacobus Fellow at Princeton University, where he developed crosstalk-free superconducting processors and led the first experimental realization of an intrinsically error-protected qubit. He earned his undergraduate degree as part of the inaugural UG batch at IISc, Bengaluru.