

Test/Validation

"Capping with Confidence: A Test & Validation Framework for Power Savings and a Lower Data-Center Carbon Footprint"

AI-driven data centres are reclaiming stranded power through oversubscription, but only trusted power capping makes it safe. This paper presents a validation framework using measurable SLAs, fault injection, and stress testing to ensure reliable, scalable, and sustainable AI infrastructure.

- Smitha Kashyap C / *Principal Systems Engineer* / **Microsoft**