

## Kunal Rao



Kunal Rao is a Researcher in the Integrated Systems Department at NEC Laboratories America, based in Princeton, NJ.

His research spans distributed systems, edge and cloud computing, real-time processing, video analytics pipelines, graph computing and analytics, and middleware for high-performance, parallel, and heterogeneous computing, with a strong emphasis on AI/ML-driven systems and, more recently, Generative AI-based applications and platforms.

He has led multiple research and development efforts end-to-end, from early system design and prototyping to customer-facing proof-of-concepts and production deployments, resulting in several technical recognitions and awards.

Over the course of his research career, Kunal has authored and co-authored 30+ peer-reviewed conference and journal publications and is an inventor or co-inventor on 33 granted patents (U.S. and international), with many additional patent applications pending.