Cooley

Yumna Rizvi

Patent Technical Advisor

yrizvi@cooley.com

+1 703 456 8221

Reston

Yumna draws on her background in electrical engineering, computer science and technology research to advise on patent matters involving AI, software systems, computing infrastructure and telecommunications. Her multidisciplinary experience spans machine learning, distributed systems, cloud-native and edge computing, computer architecture, WebAssembly and runtime systems, embedded technologies, payment infrastructures, tokenization, virtual and augmented reality, and next-generation networks.

Before entering patent practice, Yumna conducted technical and industry research across emerging technology areas. Her work included evaluating software architectures and system interoperability; researching 5G and 6G communications, sustainable computing, and cloud and edge infrastructures; analyzing distributed and embedded systems; and assessing the capabilities and limitations of frontier AI models. She also examined how complex technologies are implemented across hardware, software and networked environments, including the interactions among system components, runtime layers and application platforms.

Yumna's engineering training, hands-on technical experience and research across emerging technologies enable her to understand inventions from both implementation and architectural perspectives. She applies that understanding to analyzing complex technologies, identifying the technical concepts underlying an invention and communicating those concepts clearly in the context of patent preparation and prosecution.

Education

Georgia Institute of Technology MS, Computer Science, specialization in Machine Learning, 2026

George Mason University BS, Electrical Engineering, Dean's List, 2021