Anupam Joshi Named Vice Provost and Chief AI Officer

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Published: Jun 16, 2025

By: UMBC News Staff



UMBC campus. (Marlayna Demond '11/UMBC)

Anupam Joshi, Ph.D., has been named vice provost and chief AI officer for the University of Maryland, Baltimore County (UMBC) beginning July 1. Joshi brings almost three decades of experience at UMBC to the new role. For the last two years he has served as the interim dean of the College of Engineering and Information Technology in addition to his position as the Oros Family Professor and director of the UMBC Cybersecurity Institute.

In this newly created role, Joshi will oversee various areas previously managed by the vice provost for Academic Affairs (e.g. academic resource planning and management, space management), provide leadership to academic affairs strategic initiatives, and lead the university's strategy for AI and computing. This includes coordinating and leveraging current efforts in AI and computing, leading the strategic planning for university goals in this area, and leveraging new resources and university partnerships.

A prolific scholar, Joshi obtained a B.Tech degree from Indian Institute of Technology (IIT) Delhi in 1989, and a master's and Ph.D. from Purdue University in 1991 and 1993. His research interests are at the intersection of AI and systems. He is a pioneer in data management and security for mobile and ad-hoc networks using AI approaches.



Over the last decade, Joshi has explored this intersection to improve cybersecurity – using distributed AI approaches for attack detection and resilience in CPS/IoT systems that undergird critical infrastructure and policy-driven approaches to security and privacy. He has worked with scholars from areas as diverse as medicine, psychology, linguistics, gerontology, and public policy to explore AI-based approaches in those domains that have led to publications and extramural funding.Joshi is an affiliate faculty in the School of Medicine at the University of Maryland, Baltimore and in UMBC's Erickson School of Aging Studies. He is also an adjunct professor at IIT Delhi's School of IT. He is a fellow of the Institute of Electrical and Electronics Engineers and serves on the Maryland Cybersecurity Council chartered by the Maryland legislature. Anupam has published more than 300 technical papers with an h-index of 97 and over 34,000 citations (per Google scholar), been granted nine patents, and has obtained research support totaling more than $22 million from the National Science Foundation, NASA, Defense Advanced Research Projects Agency, U.S. Dept of Defense, NIST, IBM, Microsoft, Qualcomm, Northrop Grumman, and Lockheed Martin amongst others.

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