



Dr. Humayun Irshad

AI & Machine Learning Expert | Computer Vision Scientist

Department of Computer Science

BIO

Dr. Humayun Irshad is a distinguished machine learning and computer vision expert with a remarkable career spanning industry and academia. As the Director of Machine Learning and Chief Scientist at PhotoDay, he spearheads cutting-edge AI-driven solutions for image enhancement, automation, and intelligent data processing. His expertise includes generative AI, large language models (LLMs), and advanced image processing techniques, revolutionizing photography workflows with AI-powered automation. With a solid foundation in computational pathology, Dr. Irshad has held key research positions at Harvard Medical School and leading AI firms such as Pano AI and Mesmer. He has contributed to state-of-the-art AI applications in medical imaging, autonomous systems, and geospatial analysis, securing 7 patents and publishing extensively in high-impact journals. His innovations have improved early disease detection, computer vision models for disaster response, and AI-driven automation in healthcare and technology. A winner of multiple prestigious awards, including the Susan G. Komen Postdoctoral Fellowship and the ISBI Breast Cancer Detection Challenge, Dr. Irshad continues to drive AI research and development forward. His work in AI ethics, bias detection, and secure machine learning ensures that AI technologies remain reliable, interpretable, and impactful across diverse domains.