

Janki Bhimani Biography

Dr. Janki Bhimani is an Assistant Professor of Computer Science and Director of the Data Management Research Lab (DaMRL) at Florida International University (FIU). Prior to joining FIU in 2019, Dr. Bhimani worked as a Performance Architect at Samsung Semiconductors, San Jose, and as an Instructor at Northeastern University, Boston. She obtained her Ph.D. and M.S. degrees in Computer Engineering from Northeastern University, Boston. Dr. Bhimani is a proud researcher and has made significant contributions to system design, especially in the areas of electronic design automation (EDA), computer architecture, and storage systems. In addition, her research expertise spans the areas of memory management, cloud computing, big data, modeling and simulation, resource management, capacity planning, and high-performance computing. Dr. Bhimani's research has been supported by \$4.2 million in awarded and selected funding from prestigious federal and state agencies such as NSF and Cyber Florida, as well as industries like Samsung Semiconductors. Her research has led to publications in high-impact journals such as IEEE TCC, IEEE TVT, ACM TOS, IEEE TC, ACM TOMACS, IEEE TBDATA, and IEEE TMSCS, and publications in highly selective conferences and workshops such as DAC, HPCA, DATE, CLOUD, HPDC, and HotStorage, earning an h-index of 16 and about 1000 citations as well as 8 top-graded patent awards. She is the recipient of the FIU Top Scholar Award, KFSCIS Excellence in Applied Research Award, Grace Hopper Celebration of Women in Computing (GHC) Faculty Scholarship, and Distinguished Reviewer and Best Paper Awards from flagship conferences. Dr. Bhimani is actively advising multiple Ph.D., M.S., and undergraduate students and fosters collaborations with other academic institutions and industry leaders. Her graduated alumni have gone on to successful research careers in academia and industry.

As an educator, Dr. Bhimani demonstrates excellence in teaching, evidenced by a notable student feedback rating of 4.13/5, Quality Matters (QM) certificated courses, and a commitment to impactful teaching methodologies. Her dedication extends to significant service roles at FIU, where she serves on the Faculty Hiring Committee, Awards Committee, CEC Faculty Council, acts as a Subject Area Coordinator, participates in the Graduate Committee, Diversity, Equity, and Inclusion (DEI) Committee, and Seminar Series Coordinator. Outside of FIU, Dr. Bhimani has taken on leadership roles in organizing conferences such as CCGRID, ACM HotStorage, and HPDC. Her commitment extends to voluntary service at the Center for Women and Gender Studies (CWGS), demonstrating a holistic approach to academic and societal advancement. Beyond her professional pursuits, in her free time, she is a creative visual artist who paints with oils on canvas.