Ishita Malhotra, Featured By Influential Women, Shapes Data-Driven Innovation Through Analytics And Technical Education

DALLAS, TX, UNITED STATES, September 23, 2026 / EINPresswire.com/ -- A Data Science and Analytics Professional Focused on Scalable Solutions, Automation, and Empowering the Next Generation of Learners



Dallas, Texas – Ishita Malhotra is a data science and analytics professional whose career reflects a continuous commitment to learning, adaptability, and meaningful impact. With a foundation in computer science, advanced expertise in analytics and machine learning, and experience spanning risk, marketing, and enterprise analytics, she has developed a multidisciplinary approach to solving complex problems through data.

Her academic journey began in India, where she earned a Bachelor of Technology in Computer Science and Engineering from SRM Institute of Science and Technology. Her academic achievement earned her a full tuition scholarship through a national-level essay competition, providing an early opportunity to deepen her technical education while developing the discipline and resilience that would continue to influence her career.

Although Ishita began with a core computer science background, she became increasingly interested in how technical systems could shape real-world business decisions. That curiosity led her toward business analytics, where she began combining programming with statistical analysis, business metrics, and data-driven decision-making. What began as an expansion beyond computer science gradually became the foundation for her career in advanced analytics.

As her analytical skills developed, Ishita began applying them in increasingly complex business environments. Through roles with KPMG India and Gartner, she gained experience in risk analysis, digital and marketing analytics, process improvement, and reporting automation. These experiences showed her that successful data initiatives require more than technical accuracy; they also depend on understanding organizational needs, communicating insights clearly, and designing solutions that people can use consistently.

Wanting to deepen her understanding of statistical modeling, machine learning, and complex data, Ishita pursued a Master of Science in Data Analytics for Science at Carnegie Mellon University. Her graduate studies strengthened her ability to work with structured and unstructured data and to translate advanced analytical methods into practical applications. During this time, she contributed to industry projects involving organizations such as PNC Bank and Bristol Myers Squibb and supported students as a teaching assistant.

Following graduate school, Ishita increasingly worked at the intersection of data science, automation, and enterprise decision-making. Her work expanded beyond producing individual analyses to developing repeatable analytical systems, using methods such as machine learning, natural language processing, anomaly detection, data-quality monitoring, and automation to address problems at scale.

Today, her responsibilities and interests span data strategy, audit and people analytics, governance, enterprise reporting, automation, and applied AI. Rather than treating these as isolated specialties, Ishita has developed an approach centered on selecting the right analytical method for the decision, risk, or operational problem at hand. Her work focuses on helping teams move from one-time analysis toward more reliable and scalable systems that support consistent decision-making.

As her work evolved, Ishita also became increasingly interested in questions that extended beyond individual business applications. Her peer-reviewed research has explored applied analytics and recommendation systems, including how machine learning can personalize the way people discover and navigate educational content. This work created a bridge between her technical background and another longstanding part of her career: teaching and mentorship.

That intersection of advanced analytics and education later informed Dotaiz, a free and open learning initiative through which Ishita is exploring how recommendation technologies and AI-assisted discovery can make educational resources more relevant and accessible. The initiative brings together capabilities she developed across different stages of her career, including computer science, machine learning, analytics, product thinking, and technical education.

As her experience has grown, Ishita has increasingly shared what she has learned beyond her immediate professional roles. Through research, teaching, mentorship, speaking, and technical community engagement, she has contributed to conversations around applied AI, analytics,

responsible technology, low-code systems, and the development of future technical talent. She has participated in professional and academic forums including INFORMS, IEEE communities, Google Developer Groups, and university and industry programs, and has also contributed as a session leader, mentor, and evaluator of emerging technical work.

A defining element of Ishita's journey has been her willingness to pursue a non-linear path. Moving from computer science into business analytics and data science required her to continuously acquire new skills and adapt to unfamiliar environments. She also navigated significant personal and financial responsibilities early in her career, including supporting her family during the COVID-19 crisis while continuing to pursue professional development.

Relocating to the United States for graduate studies represented another significant transition. Rather than viewing her career as a sequence of predetermined steps, Ishita approached each transition as an opportunity to expand her capabilities. Her experience across roles, industries, and educational environments has contributed to a broad perspective on how data can support both organizations and individuals.

Mentorship has remained equally important to Ishita. She credits her mother as one of her strongest influences, particularly for emphasizing the importance of education and resilience during challenging periods. Professional mentors she connected with through LinkedIn and the analytics community also played an important role in guiding her through major career transitions.

For Ishita, mentorship is not a one-directional relationship. She believes that learning from others and sharing knowledge with others are interconnected parts of professional development. Her own experience as a mentor began after receiving opportunities to expand her data science education, and she has since contributed to learning communities and programs including Udacity, Google Developer Groups, Google Developer Student Clubs, Girls Who Code, and Carnegie Mellon University.

Her advice to young women entering data science and analytics reflects this philosophy. Ishita encourages aspiring professionals to seek mentors whose interests and experiences align with their goals while remaining open to unconventional career paths. At the same time, she emphasizes that mentorship cannot replace personal responsibility. Persistence, self-discipline, consistent effort, and ownership of one's learning journey remain essential.

Looking ahead, Ishita sees significant opportunities in the continued evolution of AI and data. She is particularly interested in developing scalable learning systems that make technical education more accessible and practical, while helping learners and professionals develop the confidence and independence needed to apply technology effectively.

From building a foundation in computer science to developing scalable analytical approaches, publishing research, teaching and mentoring others, and contributing to professional

communities, Ishita Malhotra has consistently expanded both the depth and reach of her work. Through Data Science, AI, automation, research, and technical education, she remains focused on a common objective: turning complex technologies into practical systems and learning experiences that help organizations and individuals make better-informed decisions.

Learn More about Ïshita Malhotra:

Through her Influential Women profile, https://influentialwomen.com/connect/ishita-malhotra

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