

JAYASHRI PRASANAN

Doctoral scientist | Founder and chief executive | Product leadership in regulated life sciences

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PROFILE

More than fifteen years in pharmaceutical research and development, drug discovery, GMP manufacturing and regulatory affairs. That depth now goes into building artificial intelligence for regulated markets. I founded NexushriLabs in 2026 and own and lead development of Axira, a drug intelligence suite, and I lead Keevaath LLC, a women-owned talent and consulting firm, together with its KeevaathTech product studio. My work sits where the science, the regulation and the product decision meet, which is a combination companies rarely find in one person.

EXPERIENCE

NexushriLabs an operating brand of Nexushri LLC | nexushrilabs.com February 2026 to present
Founder and Chief Executive Officer

Founded an artificial intelligence product studio for pharma and life sciences and took it from formation to federal award eligibility in six months, including Unique Entity Identifier assignment and active SAM.gov registration, which opened SBIR and STTR eligibility. Submitted three Solution Summaries to ARPA-H in July 2026 under the 2026 SBIR solicitation, covering women's health and safety science.

Own and lead development of Axira, a drug intelligence suite covering computational drug target identification, multi-omic biomarker discovery, pharmacovigilance signal detection, clinical data intelligence and sample management. Capabilities are independently deployable and released one at a time rather than as a single platform launch. The architecture is API first, with validated inference pipelines, human review at decision points, explainable outputs and audit trails aligned to 21 CFR Part 11, built against the FDA framework for artificial intelligence in regulatory decision making. Set positioning, go-to-market and access strategy. Intellectual property filings in progress.

Independent Advisory Practice February 2026 to present
Principal

Advisory engagements for pharmaceutical, biotechnology, healthcare technology and investor clients, sourced directly and through leading expert networks. Advise on artificial intelligence and machine learning in drug discovery from readiness through deployment, on regulatory strategy and validation of AI systems in regulated environments, and on market dynamics, partnership routes and commercialization for early-stage companies.

Neural Mind Atlas LLC unpaid advisory role December 2024 to present
Tech Advisor and Chief Marketing Executive

Advise an AI startup building agent-based systems for enterprise operations, with a platform serving finance, healthcare and education. Shape the product roadmap, lead branding, marketing and go-to-market strategy, advise the founding team on product-market fit and positioning, and contribute to product and brand design.

KeevaathTech product studio arm of Keevaath LLC | keevaathtech.com 2022 to present
Chief Product Officer and Innovation Lead

Set product vision, go-to-market strategy and market positioning across the studio portfolio. Gulf Careers Academy, an artificial intelligence job placement platform, and MaatraCare are live. Meridian, an automated global recruiting platform for business and consumer markets, is in build. Structured the studio service lines and the delivery partner model the studio works through.

Keevaath LLC Leesburg, Virginia | keevaath.com October 2017 to present
Principal and Chief Executive Officer

Own and lead a women-owned talent and consulting business. Set strategic direction, build and manage client relationships across healthcare, government and technology, and advise pharmaceutical and biotechnology clients on digital transformation and artificial intelligence adoption. Hold profit and loss responsibility, and implemented cloud analytics and business intelligence reporting for client engagements on Azure, Power BI and Tableau.

Keevaath LLC August 2015 to September 2017
Chief Operating Officer

Built the project management function from the ground up across concurrent client programs. Established delivery governance, data integrity protocols and quality systems, and launched three product lines.

Institute of Chemical Technology Mumbai, India July 2009 to April 2015

Doctoral researcher and graduate assistant

Doctoral research in fermentative production, downstream processing and drug discovery, covering purification, characterization, strain improvement, and in vitro and in vivo testing. Applied cheminformatics, quantitative structure activity relationship analysis, ADME and toxicity modeling, protein modeling and pharmacophore analysis to target identification and drug repositioning. Taught biochemistry, microbiology and molecular biology at graduate and postgraduate level and coordinated a molecular biology practical workshop. Maintained laboratory operations to GLP and GMP standards with audit-ready documentation. Organized industry events including Nutrition Week with PFNDAI and the AFSTI symposium. Trained in human and cancer cell culture techniques at ICSCCB, Pune.

G. N. Khalsa College and SIWS College Mumbai, India

June 2004 to June 2009

Lecturer, Microbiology and Biotechnology

Taught microbiology, life sciences, sterile manufacturing and biotechnology applications at graduate and postgraduate level, and developed curriculum connecting laboratory technique to industrial practice.

EDUCATION

Institute of Chemical Technology, Mumbai

2009 to 2015

Doctoral research in Biotechnology, all but dissertation. Drug discovery, fermentative processes, purification and characterization, strain improvement, in vitro and in vivo testing.

University of Mumbai

Master of Science, Life Sciences and Biotechnology. Bachelor of Science, Microbiology and Biotechnology.

CERTIFICATIONS

Certified Scrum Product Owner, Scrum Alliance, active. Certified ScrumMaster, Scrum Alliance, active. Project Management Professional, sitting December 2026. McKinsey.org Forward program, completed 2026.

AREAS OF EXPERTISE

Artificial intelligence and machine learning in drug discovery. Target identification and validation, lead optimization, ADME and toxicity prediction, toxicity modeling and safety assessment, clinical trial design and patient selection, real-world evidence analytics.

Pharmaceutical regulatory affairs. FDA regulatory strategy and submissions, GxP compliance across GMP, GLP and GCP, ICH guidelines Q7, Q9 and Q10, 21 CFR Part 11 for computerized systems, data integrity under ALCOA+.

AI governance and validation in regulated environments. Credibility assessment and context of use for artificial intelligence in regulatory decision making, validation of machine learning systems under GxP, explainability, human oversight and audit trail design, computer software assurance.

Pharmaceutical manufacturing and quality. Active pharmaceutical ingredient manufacturing and process development, biologics and biosimilars, process validation and quality by design, deviation management and CAPA, quality systems implementation.

Product and commercial leadership. Product vision and roadmap, product-market fit, go-to-market strategy, market and competitor intelligence, investor materials, organizational design and hiring.

TECHNICAL SKILLS

Drug discovery and computational methods: cheminformatics with KNIME and RDKit, Schrodinger, PyMOL, molecular dynamics simulation, structure-based and fragment-based drug design, ADME and toxicity prediction, machine learning for drug discovery.

Artificial intelligence and data: large language model orchestration, retrieval and evaluation pipelines, agentic workflows, predictive modeling, validated inference with human review and explainable outputs, Python, SQL.

Cloud and analytics: Microsoft Azure, Power BI, Tableau.

Product and delivery: Jira, Confluence, Azure DevOps, Agile and Scrum, product and services roadmapping, A/B testing, user research.