

RESUME

Name: Komal Shah

Designation: CEO and Co-Founder, Periwinkle Labs Private Limited, a startup at Indian Institute of Science, Bangalore

Date of Birth: 13-05-1994

Sex (M/F): F

1. Education (*Post-graduation onwards and professional career*):

#	Institution, Place	Degree awarded	Year	Field of study
1.	CPDM, Indian Institute of Science, Bangalore	M. Des.	2020	Product Design and Engineering
2.	Jadavpur University, Kolkata	M. Arch.	2018	Architecture

2. Employment (*Starting with the most recent employment*):

#	Institution, place	Position	From (Date)	To (Date)
1.	Periwinkle Labs Private Limited	Co-Founder and CEO	Apr 2023	Present
2.	Indian Institute of Science, Bangalore	Senior Research Fellow	May 2022	April 2025
3.	Society for Innovation and Development, Indian Institute of Science, Bangalore	Entrepreneur-in-residence	Aug 2021	Feb 2023
4.	Indian Institute of Science, Bangalore	Project Associate	Aug 2020	Jul 2021
5.	Oorja Energy Engineering Services, Hyderabad	Product Design Intern	May 2019	Jul 2019
6.	Axis Consultants, New Delhi	Architectural Trainee	Jun 2016	Nov 2016

3. Honors/Awards:

- **2024:** Appreciation award, Gandhian Young Technological Innovation Award, New Delhi
- **2024:** Winner of the ASME ISHOW India 2024, Chennai
- **2024:** National Finalist, BOEING BUILD 2.0, Bengaluru
- **2023:** 1st runner-up for the Falling Walls Lab Bengaluru
- **2022:** IEEE W2W Award winner for a device for the treatment of urinary incontinence in women – International Winner
- **2022:** Finalist at the National Bio-Entrepreneurship Competition, BREC C-CAMP
- **2022:** Winner of the ASME Idea Lab Competition

4. Professional Experience and Training:

- Co-inventor on patent for a novel treatment solution for women having urinary incontinence.
- Trained: ISO 13485:2016, Venture Center, Pune, June 2021: Undertook the eVenture Base Camp “ISO 13485:2016: Medical Devices Quality Management” – Introduction and Internal Auditor Training.
- Indian Institute of Science, Bangalore, Project Associate: Worked as part of an interdisciplinary team, collaborating with members from Cranfield University, UK, among other institutions, on the product design and development of an EPSRC-funded biomedical device project, with specific focus on the user centered design, manufacturing, and application development aspects.

5. Publications (*Numbers only*)

6.1 Research Papers, Reports: 5

6.2 Patents: 1

6. Selected peer-reviewed publications

- a. Shah, K., Boyle, R., Chandrasekar, A., Chandrashekara, H., and Arora, M., The impact of body positions on the pelvic floor muscle activity during electrical stimulation in women with stress urinary incontinence. Publication accepted for the 53rd Annual Meeting of International Continence Society 2023.
- b. Bharadwaj, S., Shah, K.N., Zhao, Y., Harindranath, A., George, A., Krishnan, K.B. and Arora, M., 2022, April. Semi-blinded freehand 3D ultrasound with novice users. In Medical Imaging 2022: Image Perception, Observer Performance, and Technology Assessment (Vol. 12035, pp. 281-288). SPIE.
- c. Karia, D., Shah, K., Venkatesh, K., Acharya, S. and Arora, M., 2022. A Comparative Analysis of the Engineering Design and Lean Start-Up Innovation Methodologies. Proceedings of the Design Society, 2, pp.31-40.
- d. Harindranath, A., Bharadwaj, S., Shah, K., Nadiger, S. K., Krishnan, K. B., and Arora, M. (2021). An improved freehand 3D-ultrasound volume reconstruction technique for fast scans with scanline motion correction. Proc. SPIE 11602, Medical Imaging 2021: Ultrasonic Imaging and Tomography, 1160213.
- e. Shah, K., and Arora, M. (2021). Requirements Capture and Validation: Adopting the Lean Approach for Task Clarification. International Conference on Research into Design (ICoRD'21), Design for Tomorrow, Volume 3, Chapter 60.