

Avoni Gharde Bio

Avoni is pursuing her Doctoral degree as a Ph.D. candidate in Textile Technology Management & co-major in Fiber and Polymer Science at the North Carolina State University's Wilson College of Textiles. She works with Dr. Behnam Pourdeyhimi, Dr. Abhay Joijode, and The Nonwovens Institute on polymers, with a specialization in Sustainability and Recycling of Carpet Polyester. She will graduate in the Summer of 2020.

Avoni completed her Bachelor of Technology degree in Fibres and Textiles Processing Technology from the Institute of Chemical Technology, Mumbai (India). She has worked on several projects in the field of nonwovens, resins, water repellents, softeners, and the production of nano-fibres as well. She also holds a graduate certificate in Nonwoven Science & Technology. Avoni had conducted a literature survey on the applications of Nanotechnology in Medical Textiles for her senior project. Besides this, she has experience working on several machines and types of equipment such as the TGA/DSC, SEM, FTIR, MVR, Printing & Coating, Melt Spinning, etc. She has completed internships at prestigious companies such as BASF (Mumbai, India) and DyStar (Charlotte, NC).

Avoni was elected to be the President of the Textile Association of Graduate Students at the College of Textiles, NC State University, for which she won the LEAD award as the Outstanding Student Organization Officer in 2017. She also held the position of Chair for the Teaching Effectiveness Committee and was the Vice-President in the Materials Research Society, NC State University chapter. She is an avid explorer and a trained Indian classical dancer. On days when she is not in school or working in her lab, she will be found hiking, playing video games, completing DIY projects, baking, and reading crime novels!