

I received my bachelor's in mechanical engineering at Loyola College, affiliated to the Anna University in Chennai, India. During my undergrad, I had the exposure to a research environment at the vibration controls and energy harvesting laboratory in the Indian Institute of Technology – Madras (IIT-M). Soon after this, I pursued a master's in mechanical engineering at North Carolina State University, where I worked with Dr. Yun Jing's research group on passive functional materials for sound manipulation. I am currently a 3rd Year PhD student at Dr. Jing's research group and my work is on modeling and examining sound propagation through lossy sub-wavelength micro-structures, that can be engineered to enable optimal sound absorption and transmission. This study examines the underlying physics behind acoustic nonwovens and facilitates a tool through which novel sound absorbers and insulators could be designed and optimized. Outside of work, I am a guitarist, singer-songwriter with a love for travel, history and street photography.