

My passion for Mathematics and Physics dates back to my school days when I excelled in these subjects and participated in various maths and science quizzes. As a result, I pursued Mechanical Engineering after completing high school, with a keen interest in the Thermal and Fluid domains.

During my college years, I further strengthened my knowledge by taking courses at the Indian Institutes of Technology and delving into practical applications through projects like the "Thermo Electric Cooler (TEC)" and "Spherical Turbines." Attending seminars helped me broaden my horizons and gain a deeper understanding of these fascinating fields.

For my master's research, I worked on "Experimental Investigation of the Importance of Fluidic Manifold Design and Orientation on Flow Boiling Instability in Micro Channel Heat Sink" in collaboration with the Indian Institute of Technology Bombay. This opportunity allowed me to develop my research skills and work alongside highly qualified faculty members.

My long-term goal is to pursue a career in research and teaching at a prestigious university, and obtaining a Ph.D. in Mechanical Engineering is the first step toward achieving this goal. I find the area of turbulence flow in Mechanical Engineering to be the most intriguing, given its numerous applications to real-life problems in fluid flow systems.

I believe that a career in research and teaching is the most suitable path for me because problem-solving is the most exciting and fulfilling experience I have encountered. I am excited to contribute to a subject that has brought me so much satisfaction, and teaching would also allow me to further enhance my knowledge and understanding of these fields.

I am aware of the level of commitment and determination required for a successful career in research and teaching, and I am confident that my upbringing has equipped me with the necessary technical and mental skills to excel in this field. Therefore, I hope that my application for admission to your esteemed institution is received favorably.