

Dear Visitor,

Welcome to my portfolio! I'm Luniva Joshi, a Mechanical Engineering and Computer Science student at Rutgers University. My curiosity has always centered on how machines think, move, and interact with the world around them. That curiosity has grown into a passion for robotics, artificial intelligence, and space systems, fields where creativity meets precision and innovation pushes the boundaries of what is possible.

My academic and professional journey has been defined by hands-on exploration. Through NASA's L'SPACE programs, I have contributed to projects focused on autonomous robotics, MEMS packaging, and materials research for space environments. In parallel, I have designed and developed Android applications, built robotics prototypes, and explored the intersection of mechanical design and computational intelligence. These experiences have taught me not only the technical aspects of engineering but also the importance of teamwork, adaptability, and perseverance.

Outside of research, I am deeply committed to education and outreach. At Code Wiz, I teach students how to code, design, and think creatively using robotics platforms such as LEGO Spike and Arduino. As a Guest Ambassador at the Liberty Science Center, I engage with thousands of visitors, translating complex concepts into exciting and accessible experiences. I believe STEM should be both inclusive and inspiring, and I strive to create that environment wherever I go.

This website is more than a collection of projects; it is a reflection of my journey as an engineer, mentor, and lifelong learner. Each section highlights a part of my growth, from building my first web app to developing robotic systems and exploring ideas that connect the physical and digital worlds. My goal is to continue blending mechanical precision with computational intelligence to design technologies that not only perform but also empower.

Thank you for visiting and taking the time to explore my work. I hope my projects inspire curiosity, creativity, and collaboration, the same values that have guided me from my first coding class to my current research in robotics and beyond.

Warm regards,
Luniva Joshi
Mechanical Engineering & Computer Science
Rutgers University–New Brunswick