

Objective	I am here to offer my diverse skill set and academic expertise gained so far, to provide innovative engineering solutions by collaborating with your potential team and contribute to industrial objectives in real-world settings.		
Education	Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI)		Topi, PK
	Bachelors of Science in Mechanical Engineering CGPA: 2.70/4.00		2022 - 2026 (6th Semester)
Work Experience	Superior College, Sargodha		Sargodha , Pakistan
	Intermediate (FSc Pre Engineering)		Aug 2019 - Feb 2022
	Result: 710		
	Captain - IMS (Dynamic platform for global engagement, growth, and interaction.)		Online
	Led and managed 140 people around the globe , ensuring efficient task execution, continuous learning, and structured growth. Successfully enhanced team engagement by implementing strategic and interactive activities tailored to the group's dynamics and objectives.		July 2024 - Dec 2024
	Braking And Suspension Head - Formula Team Infinity,GIKI		Topi, Pakistan
	I led the design and optimization of the braking and suspension system by enhancing handling, stability, and braking efficiency through precise component selection and geometry adjustments.		Nov 2022 - Present
	Head - Robotics Club,GIKI		Topi , Pakistan
	As the Head of the Robotics Club, I am overseeing the development of line-following robots, object identification systems, and combat robots for Robo Wars.		Sept 2024 - Present
	Research Internship - GIKI		Topi, Pakistan
	This research optimizes AC voltage frequency for precise fluid control in Digital Microfluidic Lab-on-a-Chip systems, enhancing droplet manipulation for microfluidic applications.		Feb 2025 - Present
Academic Projects	Internal Pipe Crawling Mechanism Based on Theo Jansen Mechanism with Suspension Link for Variable Diameter Pipes		
	This project develops an internal pipe-crawling robot using the Theo Jansen mechanism and a suspension link system for stable navigation in varying pipe diameters.		
	Bio-Inspired Quadruped with Pneumatic Muscles and Adaptive Continuum Spine for Dynamic Locomotion		
	This project develops a bio-inspired quadruped robot with pneumatic muscles and an adaptive spine, enhancing stability, efficiency, and adaptability across terrains.		
	Manufacturing and Assembly of 3 kW BLDC Motors		
	I contributed to the design and manufacturing of 3 kW BLDC motors, optimizing components for performance, efficiency, and reliability while ensuring quality through assembly and testing.		
	Final Year Project (FYP) -Multi-Modal Mobility Morph Bot for Security Operation		
	The M4 Bot is a shape-shifting robot with quadrupedal walking, wheeled mobility, and modular transformation, enabling efficient movement with AI control and sensor feedback.		
	Optimization of AC Voltage Frequency for Fluid Manipulation in Lab-on-a-Chip Systems		
	This research optimizes AC voltage frequency for precise fluid control in Digital Microfluidic Lab-on-a-Chip systems, enhancing droplet manipulation for microfluidic applications.		
Awards & Achievements	- Google Project Mangement - Coursera		
	- Uniliver - Xsell Program		
	- Emotional Intelligence - Source Code Academia		
Skills	- SOFTWARE SKILLS		
	- Solidworks		
	- EES - Engineering Equation Solver		
	- Ansys Maxwell / Python / Matlab		
	- PROFESSIONAL SKILL SET		
	- Leadership & Team Management		
	- Collaboration & Teamwork		
	- Time Management		