

MAHA RAJAN K

Mechanical Engineer

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EDUCATION

College of Engineering, Guindy Master of Mechanical Engineering CGPA	Chennai, Tamil Nadu 2024-2026
Government College of Engineering Bachelor of Mechanical Engineering CGPA 7.5	Tirunelveli, Tamil Nadu 2020-2024

INTERNSHIP

Oil and Natural Gas Corporation of India <ul style="list-style-type: none">Acquired practical knowledge in the exploration and production sectors of the Oil and Natural Gas Corporation of India.Operated on oil rigs, utilized various tools, and ensured their regular maintenance for optimal performance and safety.	Karaikal, Puducherry
Brakes India Private Limited <ul style="list-style-type: none">Gained experience in manufacturing, production, and assembly of brakes at Brakes India Private Limited.Utilized various tools and techniques to ensure optimal performance and safety standards.	Chengalpattu, Tamil Nadu

PROJECTS

Detection of Ammonia Gas in Poultry Farms <ul style="list-style-type: none">Developed and implemented a real-time ammonia detection and alarm system to enhance safety in farms.Executed sensor circuitry design, microcontroller programming for data acquisition and alarm triggering, and conducted data analysis.	May 2024
Design and Fabrication of Electric Bicycle <ul style="list-style-type: none">Led the design and fabrication of a fully functional Electric Bicycle Project.Showcased proficiency in the deployment and testing phases of the project.	June 2023
CO Detector & Automatic Window Opener in Car <ul style="list-style-type: none">Engineered an automated system for vehicles that monitors CO levels and manages window operations for enhanced safety.Exhibited proficiency in automation, vehicle safety, and system integration.	April 2023

ACHIEVEMENTS

HONOURABLE MENTION at IITMRP

LEAP Inter-Collegiate Open House Project Title: CO Detector & Automatic Window Opener in Car Role: Mechanical Assembly, Testing, Analysis Project Duration: 1 year <ul style="list-style-type: none">Presented project to Entrepreneurs, Industry Veterans, and academics at IITMRPEngaged in Networking with Experts, gaining Insights into Industry Trends.	IIT Madras Research Park April 2023
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SKILLS

- Mechanical Design:** Proficiency in designing mechanical systems and components.
- CAD/CAM Software:** Experience with software like AutoCAD, SolidWorks, Fusion360, and SolidEdge for designing and manufacturing.
- 3D Modeling and Printing with NX CAD:** Proficient in designing, modeling, using NX CAD.