ABDUL RAMIZ A

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Career Objective

Aspiring Mechatronics Engineer seeking a role in the design field to apply knowledge of mechanical, electrical, and automation systems. Skilled in using CAD tools to develop efficient and innovative designs, with a strong commitment to problem-solving and contributing to organizational success. Eager to learn, adapt, and grow while supporting cutting-edge design projects.

Education

- Bachelor of Engineering in Mechatronics – MAM School of Engineering, 2025. CGPA-7.85%
- R.C.Higher Secondary School, Tiruchirappalli.HSC – 75%

Professional Experience - Internships

Sandfits Foundaries Pvt.Ltd, Coimbatore

- Conducted troubleshooting of mechanical, electrical, pneumatic, and hydraulic systems.
- Effectively managed and resolved machinery breakdowns independently.
- Identify and resolve defects through root cause analysis.

Vishay Precision Transducers India Pvt Ltd , Chennai

- Performed calibration of load cells, force sensors, and transducers using precision measurement equipment.
- Collaborated with quality assurance and production teams to resolve measurement deviations.

Marvel Elevators ,Trichy

- Supported maintenance of lift motors, gear systems, and control panels.
- Conducted routine inspections to identify mechanical or electrical faults

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Key Skills

- **Technical Skills**: Mechanical and Electrical systems troubleshooting.
- **Software Proficiency** :
    - CREO - Part Modeling, Assembly, Drafting.
    - AutoCAD - 3D Drafting & Modeling.
    - Fusion 360 - 3D Modeling.
    - MS Office Suites
- **Personal Strengths: Problem-solving, Teamwork, Adaptability**

Academic Projects

Color Sorter Machine

- Develop a high-precision color sorting system for automated separation of materials based on color.

Regenerative Braking System in Electric Vehicles using Machine Learning Optimization

- Designed and implemented a regenerative braking system for electric vehicles to recover kinetic energy into battery storage.Improved vehicle range and energy efficiency through intelligent braking control strategies.

Achievements

- Awarded as a Winner of **Paper Presentation** event in the National Level Technical Symposium, "Techinova '23" organised by Indra Ganesan College of Engineering.
- Awarded as a Winner of **CAD Modeling** event in the National Level Technical Symposium.

Declaration,

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

ABDUL RAMIZ A