RUBAN KUMAR C

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CAREER OBJECTIVE

Dedicated and focused individual with vast knowledge and the experience of working projects on Catia V5. Currently looking for a mechanical design engineering job position in a fast-paced organization where I can hone my skills and utilize my knowledge and skills in an effective manner for the greater benefit of the organization.

EDUCATION

PG Program in CAD, SKILL-LYNC **(2025)**

B.E, Mechanical Engineering, Sri Krishna College of Technology, Coimbatore | **CGPA** - 8.4/10.0 **(2023)**

12th, SRSI Matriculation Higher Secondary School, Coimbatore **(2019)**

TECHNICAL SKILLS

- **CAD Software:** AutoCAD, CATIA V5, Creo parametric, Nx CAD
- **Simulation Software:** Ansys (structural analysis)
- **Management:** Leadership, Strategy, Communication, Project management.
- **Technologies:** BEVs, Battery Energy Storage Systems (BESS), New product development (NPD), Failure mode effect analysis (FMEA), GD&T, Vehicle Integration, Design for manufacturing (DFM), Design for assembly (DFA)

EXPERIENCE

CAD ENGINEER(R&D)|TATA AUTOCOMP GOTION GREEN ENERGY SOLUTIONS PRIVATE LTD   (Nov 2023 – Dec 2024)

Pune, Maharashtra

- Design, development and data release review of mechanical & electrical components, BOM management
- CAD review & release activities for assigned programs Contributing to the creation of battery packs through CAD modeling and Engineering
- Work with project timelines and budgets, provide regular updates on project status and timeline
- I have experience in customer management, proposal review, involved in customer-end vehicle integration, performing vehicle test cases and also support production processes during the prototypes and assembly.

PROJECTS

AUTOMTIVE PLASTIC DESIGN USING CATIA V5
Design of automotive door panel
- Designed an automotive door panel with OEM standards.
- **Engineering features** such as dog house, flange, push pin clips and heat stacks were created by using the master sketch data.
- Draft analysis was performed on the individual parts to **analyse** the tooling direction.

AUTOMOTIVE SHEET METAL DESIGN USING SIEMENS NX CAD
Roof design using NX CAD
- Designed front & rear end, Centre roof, bow roof rails for looks and better strength.
- It will pass the roof crush test and snow load criteria.
- Added reinforcement like center and roof bow rails to it.

COMPOSITE MATERIALS
Mechanical Characteristics of Particulate-Reinforced Materials in A Cupola Furnace
- Design and fabrication of composite materials, then conducted tests on various mechanical properties, including impact strength, tensile strength, compressive strength, shear strength, and wear resistance.
- Collecting Slag from foundry industries for **recycling** and the creation of a new, **cost-effective**, high-strength-to-weight ratio material. This material can be used in various applications, including PVC pipes, gears.