

SRI KRISHNA SAI NALLA

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OBJECTIVE

Results-oriented mechanical engineer with 3 years of successful logistics team leadership. Proven expertise in mechanical engineering principles, quality control methodologies, supply chain management. Demonstrated ability to lead and motivate teams, optimize operations, and drive process improvements. Proficient in design and analysis software such as CAD, FEA, and Abaqus. Seeking a challenging role to leverage my technical skills and leadership experience to contribute to a high-performing engineering or logistics team.

EDUCATION

MSC IN MECHANICAL ENGINEERING WITH MANAGEMENT
QUEEN'S UNIVERSITY, BELFAST, UNITED KINGDOM.

2019 - 2022

- Major: Management
- Minor: Mechanical
- Related course work: Project management, business management, business ethics, Computer aided engineering, manufacturing technology, statistics, and data analytics.

SKILLS & ABILITIES

MANAGEMENT

- Developed and implemented new fundraising programme for old age homes, which brought in more than 10,000 rupees for Elderly people.
- Managed end-to-end project lifecycles, including planning, execution, monitoring, and closing, ensuring projects were completed on time, within scope, and within budget.
- Collaborated with senior management to set long-term goals and objectives, ensuring alignment across departments.
- Managed budgets, tracked expenses, and identified cost-saving opportunities while maintaining high-quality service standards.
- Managed the implementation of new processes, tools, or systems, providing training and support to staff.
- Facilitated clear communication between teams, departments, and external partners, ensuring alignment on project objectives and expectations.
- Effectively managed competing priorities, ensuring that urgent tasks were completed while keeping long-term goals on track.

SALES

- Consistently met and exceeded monthly, quarterly, and annual sales targets, contributing to overall revenue growth.
- Built and maintained strong relationships with key clients, ensuring high customer satisfaction and repeat business.
- Conducted market research to understand industry trends and customer needs, adjusting sales strategies accordingly.
- Provided regular sales reports and updates to senior management, ensuring transparency and alignment on sales targets and results.

COMMUNICATION

- Delivered clear and concise presentations to internal teams and clients, ensuring key messages were understood and acted upon.

- Actively participated in team meetings, contributing valuable insights and maintaining open communication channels.
- Worked with diverse teams and clients from different cultural backgrounds, adapting communication styles to foster positive relationships.
- Kept team members informed about project progress and changes, ensuring transparency and trust in leadership.

LEADERSHIP

- Led and managed a team of individuals, driving performance, fostering collaboration, and ensuring alignment with organizational goals.
- Created a positive, productive work environment by motivating team members, setting clear expectations, and providing regular feedback.
- Set clear performance goals and metrics for team members, leading to improved individual and team performance.
- Demonstrated strong decision-making abilities, consistently making informed and timely choices that supported team and organizational objectives.

EXPERIENCE

LOGISTICS ANALYST

DFDS LOGISTICS LTD, BELFAST, UNITED KINGDOM.

2021 - 2024

- Supervised and trained new team members and ensured staff is trained in emergency response and all OH&S procedures.
- Maintained inventory and liaised with supply sources to ensure sufficient stock levels are maintained.
- Coordinated booking and allocation of loads, as well as the suitability and allocation of vehicles from approved carriers.
- Organized and planned deliveries according to customer requirements.
- Ensured all equipment is maintained at a safe and serviceable level.
- Ensured periodic stock takes are undertaken in accordance with the procedure.
- Involved in Dispatch, receivables, picking, packing, Stand-on electric pallet trucks operations and all general warehouse duties.
- Operated and inspected pallet trucks by following safety and maintenance instructions.

PROJECTS

INVESTIGATING PROPERTIES OF POLYMER/GRAPHENE NANOCOMPOSITE THIN FILMS

2020 - 2022

POLYMER PROCESS RESEARCH CENTER, BELFAST, UNITED KINGDOM.

- Investigated mechanical, thermal & electrical properties of graphene-reinforced recycled PET (R-PET) nanocomposites.
- Demonstrated significant improvement (103%) in toughness of R-PET nanocomposites with 1wt% graphene inclusion.
- Fabricated and tested nanocomposite thin films using high-speed mixing, melt extrusion, compression moulding, and biaxial stretching.
- Evaluated potential for mass production of high-strength and high-stiffness R-PET nanocomposites for various applications.

DESIGN AND ANALYSIS OF CUBE SATELLITE

2019 - 2020

CAE LABORATORIES, COUNTY ANTRIM, UNITED KINGDOM.

- Designed and performed steady-state analysis of EIRSAT-1 using SolidWorks software.
- Analysed orbital positions for maximum and minimum heat flux on the satellite.

- Conducted thermal analysis of individual components and the entire EIRSAT-1 system.
- Evaluated effectiveness of passive thermal control using solar paints and insulation (MLI).
- Analysed orbital heat flux on EIRSAT-1 for different orientations.
- Identified Batteries as the critical component for thermal control.
- Evaluated effectiveness of passive thermal control using solar paints and MLI (Multi-Layer Insulation).
- Demonstrated feasibility of passive thermal design for maintaining Battery temperatures within limits.

TECHNICAL SKILLS

- Data Analysis: WMS Software, Excel, RStudio.
- Software: AutoCAD, CatiaV5, Ansys, Abaqus, SolidWorks, MATLAB.
- Technical Testing: Tensile Testing, TGA, DSC.