SANNIHITH REDDY L

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Career Objectives

To pursue Masters at a reputed university with substantial research content. that gives a scope to enhance my knowledge and skills for the growth of the organization, utilizing the technology and the knowledge acquired through my studies, to its best advantage.

Academic Profile

Qualification	Institution	CGPA or %	Year of Completion
B. Tech (MECHANICAL)	Vellore Institute of Technology, Vellore, Tamilnadu.	7.47 CGPA (70%)	2018
Intermediate (MPC)	Sri Chaitanya Junior College, Vijayawada, Andhra Pradesh.	77.1%	2013
S.S.C	Gowtham Concept School, Guntur, Andhra Pradesh.	87.83%	2011

Master's (Computer science) **GPA: 3.667**

Professional Experience

UST Global Bangalore, India

Client: Liebherr Mining Truck (off-shore) Dec2018-Dec2021

Role: Design Engineer

Project description: Liebherr is a leading global manufacturer of products and services for the construction and mining sectors, as well as refrigeration and freezing products for residential and commercial use. The Liebherr Mining Data system is a compilation of hardware and software components installed on Liebherr Mining Equipment that is used to gather diagnostic and sensor data. This data is used to help Mine-Site operation and

maintenance personnel identify production curves, and operational tendencies and can serve as pre-cursers to component failure analysis.

Technical Skills

- Technical languages: C, Java, .NET, Angular, Python
- PTC Creo, AutoCAD, Solid Works, CATIA, Blender
- Operating system: Windows, Linux.

Major Projects Involved:

Replacement of Engine: Engine Replaced in the Truck involved in many Harnesses Routing changes

● Prepared Interference check Reports to know what are getting affected due to New Engine.

● Prepared a Report on the Areas where the Routing has to be changed and communicated with the Manufacturing team.

● Verified if any Harnesses can be Reused or to be created New.

● Ensured Cost saving design by keeping the number of new components to minimum but ensuring improved functionality.

● Re - routing / Creating / Updating of Harness design and drawing, Creating Installation / Group Drawings, Updating Bill of Materials (BOM) and Cost Justification forms (CJF) and preparing for the final Release.

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Academic Project

Objective:

To study the use of LPG (Liquefied Petroleum Gas) for cooling system in parallel as source of heat.

As part of my study, I want to explore the possibility of using LPG as coolant for refrigeration in parallel to its use as source for heat generation. The principle behind is that when LPG is exposed to heat it expands resulting increase in volume and decrease in pressure resulting in cooling effect.

LPG is stored in cylinder under high pressure and its flow is controlled by the regulator. LPG is passed through the capillary tubes which are used as cooling coils in the refrigerator. The outlet gas from coil is passed on to the burner as source of heat. Pressure of the gas is monitored at the inlet

and outlet of the refrigerator coil. The temperature in the refrigerator is noted for 4 minutes of time.

Software skills applied are Solid works, Auto CAD during planning, machining, assembly and analysis stages.

Industrial Exposure

Dr. Narla Tata Rao Thermal Power Station (Vijayawada, AP): As part of internship program, rendered my services for a month in Thermal Power Plant which generates electricity. This is a coal-based power plant with current capacity of 1,760 MW.

As an intern, I acquired sufficient knowledge about how Thermal power plant works and the role of ICS (Integrated Control Systems)

Extra-Curricular Activities

Participated in Workshops on Mind Education, Solid works 3D models, Engineering Drawing.

Participated for Gravitas (technical fest) on Six Sigma, Vellore institute of technology.

Volunteer for Riviera (Cultural fest) for Prolife Marathon, Vellore institute of technology.

Personal Details

Date of Birth	09/11/1995
Languages Known	English, Telugu, Tamil and Hindi.
Permanent Address	NVKR Towers, 2/8 Brodipet, Guntur-522002, AP, INDIA.

Declaration

I, hereby, declare that the above information is true to the best of my knowledge.

LAKKIREDDY SANNIHITH REDDY