

SAIKUMAR SURUNENI

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OBJECTIVE:

Highly skilled Mechanical Design Engineer with 2 years of experience in the HVACR Division. Proficient in SolidWorks and dedicated to delivering innovative and efficient design solutions. Seeking a challenging role to utilize my technical expertise and contribute to the success of a dynamic organization.

EXPERIENCE

Working as Design Engineer-I at iLenSys technologies Pvt. Ltd., From 6 Months (i.e., 10th Sep 2023 to Till Date).

Here, we work for MNC Clients, currently working for Thermo Fisher Scientific-IN. We work on Medical Devices.

Such as BSC's, Incubators, Ovens, Centrifuges, Vacuum Concentrators, Furnaces, Refrigerators & Freezers.

Learned SOLIDWORKS PDM, ARENA PLM tools, working on different standards, Basics in SAP and also Process & Documentation Flow.

Worked as a Jr. Design Engineer at Rockwell Industries Limited. 2 Years & 2 Months (i.e., 17th June 2021 to 31st Aug 2023).

Here, we work On Commercial Refrigerators, Freezers & Coolers.

Expertise in Creating detailed SOLIDWORKS 3D Models, Assemblies, and Technical Drawings.

PROJECTS

- REACH IN:** Designed and developed Energy-Efficient reach-in freezers with enhanced cooling capacity & optimized airflow to improve performance.
 - Which also gave me Knowledge in Developing Plastic Components by the Operation like injection Molding, Extrusion, Vacuum Foaming.
 - In Sheet Metal Operations like Punching, Blanking, Piercing, Punch Tapping.
- DISPLAY COOLERS:** Lead in Re-designing of pastry display cooler to improve product visibility & increase customer engagement. Incorporated LED lighting & implemented a more appealing and functional Display layout.
 - Learned about Insulation Glasses, Heater in Glasses, Transmitting Heat from glass, Types of Glasses, Wiring Harness.
 - Collaborated with cross-functional teams to Gather requirements, identify design constraints in developing innovative solutions in Powder coating, Wiring Harness, Machining of Jigs & fixtures.
 - During this Period Gained practical knowledge on CNC Laser Cutting M/C and NC Press Break M/C.
- WATER COOLERS:** water coolers with improved energy efficiency
 - Designed and Developed 7 - Different Capacity Models along with Jigs & Fixtures.
- CHEST FREEZERS:** Optimized storage capacity & ensured temperature uniformity in chest freezers by redesigning the internal layout and implementing efficient cooling systems.
 - Made 3 Models of Large freezers & its JIG with Plug Inter-changeable type.
 - During this gained knowledge in Welding & its Process, Sheetmetal & Materials.
 - Experienced issues with Manufacturers in the Process of Machining, Improved Drawing & GD&T Skills.
 - Standardized the Drawings all Parts of the freezers for Feature Changes & collected all the Data for Process of Regenerating.
- CONDENSER:** Developed condensers with the aim to reduce space occupancy in freezers and achieve a minimum bending radius. Implemented innovative design techniques to optimize the condenser layout and maximize space utilization.
- COLDROOMS:** Incorporated advanced control systems and optimized airflow distribution for consistent temperature control.

EDUCATION QUALIFICATION

S.NO.	COURSE	INSTITUTION & BOARD	PERCENTAGE/CGPA	YEAR OF PASS
01	B. TECH(MECH)	VITS, Karimnagar & (JNTUH)	6.97	2021
02	DIPLOMA(MECH)	SRRS Govt. Polytechnic, Siricilla - (SBTET)	74.1%	2018
03	SSC	Sri Krishnaveni Talent School, Jannaram.	7.3	2015

INTERNSHIP

PLACE	WORK	DURATION
VENKATESHWARA MOTORS, Jannaram.	Storekeeper & Technician	04 Months

ACADEMAIC - PROJECTS

TITLE	DESCRIPTION	DEMONSTRATION
DESIGN AND ANALYSIS (MINI-PROJECT)	Design and Analysis on old jeep Wrangler chassis to find Material and Cross-Section to use	Used Solid works and Ansys for Virtual Demonstration
SHEET-METAL BENDING MACHINE	Work similar to manual sheet-metal bending machine	Made a conceptional design
ELECTRO-MAGNETIC REPULSIVE HAMMER (DIPLOMA)	Works on the principle of electromagnetic repulsive mechanism	Made Prototype with Wood

ACADEMICS

TITLE	DESCRIPTION
Technical seminar	I gave my technical seminar about glider (SI2).
Robotics	It was held for 3 days & learned about 8-bit microprocessors & how to code robots for required Functions and their basics.
Tech-fest	I participated in tech fest which was conducted between three Govt. Diploma colleges.

SKILLS

MECHANICAL

- SOLIDWORKS
- AUTO-CAD
- GD&T
- ANSYS
- MATLAB

ADDITIONAL

- MS WORD & EXCEL - Advanced
- Tableau, Power Bi, SQL
- SAP & BAAN Basics

STRENGTHS

- Willing to accept challenges irrespective of their complexity
- Quick & Fast learner.
- Strong problem-solving and analytical abilities
- Good communication and collaboration skills
- Attention to detail and ability to meet deadlines
- Knowledge in industry standards and regulations
- Experience in preparing technical report, Specification, Qualification and Project documentation.
- Self-Motivated & Team Player.

PERSONAL DETAILS

Full Name : SURUNENI SAIKUMAR
D. O. B : 16/08/1999
Gender : Male
Marital : Single
Nationality : Indian
Father's Name : Gopal
Mother's Name : Swarupa

HOBBIES

- Movies
- Music
- Travel
- Cooking

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Jannaram, Mancheria,
Telangana, India – 504205.

DECLARATION

I hereby certify that all the information provided above is true to the best of my knowledge.

S. SAIKUMAR