

# SAIKUMAR SURUNENI

CAL: +91 9515775499

[saikumarsuruneni@gmail.com](mailto:saikumarsuruneni@gmail.com)

[linkedin.com/in/saikumar-suruneni-260749188](https://www.linkedin.com/in/saikumar-suruneni-260749188)



## 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

I am Working as a Jr. Design Engineer at Rockwell Industries Limited. Since form 2-Years - i.e., (17th June 2021 to Till Date). Expertise in Creating detailed 3D Models, Assemblies, and Technical Drawings.

## PROJECTS

- 01. REACH IN:** Designed and developed Energy-Efficient reach-in freezers with enhanced cooling capacity and optimized airflow to improve performance.
  - Which also given me Knowledge in Developing Plastic Components by the Operation like Molding, Extrusion, Vacuum Foaming.
  - In Sheet Metal Operations like Punching, Blanking, Piercing, Punch Taping.
- 02. DISPLAY COOLERS:** Led the redesign of pastry display coolers to improve product visibility and increase customer engagement. Incorporated LED lighting and implemented a more appealing and functional display layout.
  - Learned about Insulation Glasses, Heater in Glasses, Transmitting Heat from glass.
  - Collaborated with cross-functional teams to gather requirements, identify design constraints, and develop innovative solutions in Powder coating, Wiring Harness, Machining of Jigs & fixtures.
  - During this Period Gain some Knowledge with CNC Laser Cutting M/C and NC Press Break M/C.
- 03. WATER COOLERS:** water coolers with improved energy efficiency
  - Designed and Developed 7 - Different Capacity Models along with Jigs.
- 04. 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, And its JIG with Plug Inter-changeable type.
  - During this gained knowledge in Weldments, Sheet Metal
  - Experienced issues with Manufacturers in the Process of Machining, and learned lot in Drawing & GD&T.
  - Standardized the Drawings of Every Part of the freezer and collected all the Data for Process of Regenerating.
- 05. 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.
- 06. 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
- Catia, Creo & similar CAD Software - Basics

### ADDITIONAL

- MS WORD & EXCEL - Advanced
- PYTHON
- Tableau, Power Bi, SQL

## STRENGTHS

- Willing to accept challenges irrespective of their complexity
- Quick learner
- Strong problem-solving and analytical abilities
- Excellent communication and collaboration skills
- Attention to detail and ability to meet deadlines
- Knowledge of industry standards and regulations
- Experience in preparing technical reports, specifications, 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

Address : 3-346, Gp-road, Jannaram,  
Jannaram, Mancherla-504205,  
Telangana

## DECLARATION

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

S. SAIKUMAR