**SAIKUMAR** SURUNENI

CAL: +91 9515775499

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

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 31th Aug 2023).

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

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

# PROJECTS

1. **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.
2. **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.
3. **WATER COOLERS:** water coolers with improved energy efficiency
   * Designed and Developed 7 - Different Capacity Models along with Jigs & Fixtures.
4. **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.
5. **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.
6. **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** | **ADDITIONAL** |
| * SOLIDWORKS * AUTO-CAD * GD&T * ANSYS * MATLAB | * 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

Address : 3-346, Gp-road, Jannaram, Jannaram, Mancherial, Telangana, India – 504205.

**HOBBIES**

* Movies
* Music
* Travel
* Cooking

# DECLARATION

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

S. SAIKUMAR