

M S Mohan Kumar

Hyderabad.

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## RESUME OBJECTIVE

With over 13 years of comprehensive experience in modelling, detailing, product development, and prototype development. This includes over 10 years in the refrigeration industry and 2 years in aerospace design. Proficient in Unigraphics (NX 10.0), SOLIDWORKS 2014, AutoCAD, Oracle PDM, and Teamcenter PLM. Completed a Master's degree in CAD/CAM Designs and currently pursuing a Master's in Data Science to embrace emerging technologies essential across all domains. Additionally, completed certifications in Data Science from Udacity, Data Science for BSH, and Data Analytics, along with hands-on experience in real-time projects. Passionate about leveraging expertise for impactful contributions while advancing personal and professional growth.

**Target Sector:** Mechanical Design / Drafting / Product Design / Product Development / Data Science and Artificial Intelligence Applications.

### PROFESSIONAL PROFILE

Sl.no	Organization	Duration	Client	Designation	Software
1	BSH	2020 to till Date	<a href="#">BSH (Germany)</a>	Asst Manager	Unigraphics (NX12, Team centre PLM)
2	Tecumseh Product Limited	2019 - 20	<a href="#">Tecumseh (France)</a>	Asst Manager	Unigraphics (NX10), Oracle PLM, AutoCAD Solid works 2017.
3	Rockwell Industries Ltd	2014 - 19	Coca-Cola, Deep Blue, etc.	Senior Design Engineer	Solid works 2014, Unigraphics (NX 10) Auto Cad
4	Hi-Tech Hydraulic	2011 - 13	DRDO, BDL, RCI, VRDE,	Junior Design Engineer	Solid works 2014, Unigraphics (NX 10) Auto Cad

### ACADEMIC PROFILE

Sl.no	Qualification /Degree	College/University	% of marks	Academic Year
1	M. Tech (Data Science & ML)	<a href="#">PES University</a>	Pursuing	2025
2	M. Tech (CAD/CAM)	<a href="#">MLR Institute of engineer and Technology</a>	70	2014
3	B.Tech	<a href="#">MRCET</a>	58	20011
4	Intermediate (MPC)	Vijayawada Nalanda	70	2007
5	SSC	VSK Memorial high School	70	2005

## **TECHNICAL SKILLS:**

- SolidWorks Modelling: Experienced in modelling, detailing, assembly, and sheet metal design.
- UG NX (Unigraphics): Proficient in version 10.0, 12.0 for modelling, detailing, and assembly.
- AutoCAD: Skilled in 2D designs across various versions (2007, 2008, 2011-2013).
- Oracle PDM: Knowledge of Product Data Management.
- Teamcenter PLM: Familiarity with Product Lifecycle Management software.
- DFMEA: Experienced in Design for Failure Mode and Effect Analysis.
- DVP&R: Proficient in creating Design Verification Plans and Reports.
- Python , Pyspark ,
- MySQL ,
- Azure Data bricks , Azure Data Factory
- Machine Learning ,Time Series Analysis , Data Visualization

## **CAREER GRAPH**

<b>PRESENT EMPLOYER</b>	Bosch & Siemens Household Appliances Mfg. India
<b>DESIGNATION</b>	Assistant Manager
<b>DURATION</b>	FEB -2020 TO TILL DATE
<b>TOOL USED</b>	UG NX 12.0, TEAMCENTER PLM

### **Company profile**

BSH produces the entire range of modern home appliances at 40 factories worldwide. The product portfolio ranges from cookers, ovens and extractor hoods, dishwashers, washers and dryers, fridges and freezers to small appliances such as vacuum cleaners, coffee machines or food processors.

### **Duties & Responsibilities at Bosch & Siemens Household Appliances Mfg. India**

- 1) Product Development project.
- 2) Plastic Part design designing using different plastic parts used in household refrigeration appliances.
- 3) Sheet metal part design is required in door module including hinges Work in close collaboration with designers from India, Germany & Turkey.
- 4) Optimizing design from predecessor models to suit to new models

<b>PREVIOUS EMPLOYER</b>	TECUMSEH PRODUCTS INDIA PVT LTD
<b>DESIGNATION</b>	Assistant Manager
<b>DURATION</b>	FEB -2019 TO FEB - 2020
<b>TOOL USED</b>	UG NX 10.0, AUTOCAD

### **Company profile**

Tecumseh India Product LTD. is one of the leading manufacturers of the reciprocating compressors, rotary compressors & scroll compressors & it has developed the first “hermetic” compressor for household refrigerators in 1937. Tecumseh has substantially invested in research and development engineering laboratories in North America, Europe, South America and India. They also partnered with R&D facilities at universities across the globe. They are also into complete line of indoor and outdoor condensing units, unit coolers, heat pumps, complete refrigeration systems and authorized spare parts and accessories.

### **Duties & Responsibilities at Tecumseh Products India PVT LTD.**

- 1) Product Development project.
- 2) Modelling and Detail drawing of Sheet metal parts and tubes of condensing unit.
- 3) Creating BOM's, Engineering requests in Oracle
- 4) Proto type Build and Testing
- 5) DFMEA (Design for failure mode effective analysis)

<b>PREVIOUS EMPLOYER</b>	ROCKWELL INDUSTRY LIMITED
<b>DESIGNATION</b>	SENIOR DESIGN ENGINEER.
<b>DURATION</b>	MARCH -2014 TO JANUARY - 2019.
<b>TOOL USED</b>	SOLID WORKS, UGNX, AUTOCAD.

### **Company profile**

Rockwell Industry PVT LTD is one of the leading manufacturers of the larger range of cold chain equipment in the country. Its appliance is one of the world class products which have been created after extensive research on customer requirements and suitable design by well experienced engineers. It has been designed to satisfy all requirements and at the same time delight with benefits no one ever thought of like, superior quality components for greater duration and reliability, ozone friendly gas, instead of chloro-fluoro-carbon (CFC).

### **Duties & Responsibilities at Rockwell Industries Limited.**

- 1) Responsible for Design Development, customization, Modification and production process of cold chain equipment's. Ensuring that all the engineering work is carried out in accordance with specification, statutory requirement, standards, regulation and other contractual requirements with due regards to safety, operability and maintainability.
- 2) Managing projects from conception, pre-production through (i.e. in Preliminary Design Review, Critical Design Review and Production Readiness Review) to completion
- 3) Creating feasible model and Sheet Metal and drawings.

<b>PREVIOUS EMPLOYER</b>	HITECH HYDRAULIC.
<b>DESIGNATION</b>	JUNIOR ENGINEER.
<b>DURATION</b>	JUNE-2011 TO FEBRUARY-2014
<b>TOOL USED</b>	SOLID WORKS, PRO-E, AUTOCAD

### **Company profile**

Hitech hydraulics is one of the most reputed companies in India in the field of Hydraulic and Pneumatic Systems and Allied Products. Hitech Hydraulics established in 1996, It is a Design, manufacturing, Erection & Commissioning of standard, special purpose & custom-built hydraulics machines & equipment, Hydraulic presses, power lacks, Hydraulic cylinders, Accumulators, Test Rigs, Lubrication Systems, Clamping & lifting devices, oil filtering & transfer units, special tools etc., including electrical control systems for all industrial applications, fuel transfer Rigs, hydraulics charging systems for Defence Establishments, Aviation Fuel charging for Marine & space applications etc. It's a Servicing, overhauling, reconditioning, up gradation, modification & import substitution of all types of hydraulic machines and equipment.

### **Duties & Responsibilities at Rockwell Industries Limited.**

- 1) Engineered Missile Integration Jigs, Missile Transport Jigs, and a 16-ton Hydraulic Actuator to meet aerospace and defence standards.
- 2) Led projects from concept to delivery, ensuring adherence to ISO 9001:2005 standards and on-time completion.
- 3) Created 3D models, conducted FEA, and optimized designs for performance and reliability.
- 4) Maintained precision and compliance with aerospace regulations through rigorous testing and validation.
- 5) Client Interaction: Provided customized solutions, technical documentation, and training to meet client-specific needs.
- 6) Enhanced design efficiency, reliability, and cost-effectiveness, contributing to company growth.

### **KEY PROJECTS**

	<b>Role:</b> Design and executing.		
S.No	Project Description	Organization	Client
1	Missile Transportation Vehicle (M.T.V)	Hitech Hydraulics	BDL
2	Integration Jig for Dia 1000mm AAD Project	Hitech Hydraulics	RCI
3	16 ton Actuator	Hitech Hydraulics	RCI
4	Accumulators 8.5 Liters	Hitech Hydraulics	RCI
5	GFR 200,300,400,500 lts (chest coolers)	Rockwell Industries ltd	Local suppliers
6	Ph-240	Rockwell Industries ltd	Phocus
7	FTTK 160	Rockwell Industries ltd	Local suppliers
8	QC-D240, QC-D240ET	Rockwell Industries ltd	Local suppliers
9	SFR 250,350,450,550(SOFT LOOK FREEZER)	Rockwell Industries ltd	Local suppliers
10	LARGE FREEZER (LOW TEMPERATURE FREEZER)	Rockwell Industries ltd	Local suppliers
11	COMBO FREEZER(HALF FREEZER HALF COOLER)	Rockwell Industries ltd	Local suppliers

## CERTIFICATIONS & PROJECTS

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- **Certifications:**
  - [Discovery Artificial intelligence and Machine Learning](#)
  - [Data Science for BSH Nanodegree \(Udacity\)](#)
  - [Data Analytics Nanodegree \(Udacity\)](#)
- **Additional Knowledge Gained:**
  - **Starbucks Capstone Project:** Data analysis and insights for operational optimization.
  - **Bertelsmann-Arvato-Project-Master:** Machine learning project focused on customer segmentation.
  - **Disaster Response App:** Built a machine learning pipeline for real-time disaster classification and response.
  - **Twitter Real-Time Data Project:** Investigated and analysed live Twitter data for actionable insights.

### Project Links:

- [Starbucks Capstone Project](#)
- Bertelsmann-Arvato Project
- [Disaster Response App](#)
- [Airbnb-Data-Science-Project-listing-Seattle](#)

### Personal Details: -

**Name:** M.S. MOHAN KUMAR

**Father's Name:** M.S RAJKAPOOR

**Permanent Address:** H No: - 36-142 Devamma basthi, Jagathgiri Gutta, Hyderabad\_37, Andhra Pradesh.

**Date of Birth:** 14-August-1989

**Marital Status:** Single

**Nationality:** Indian

**Hobbies:** Meeting new persons in traveling, Being with family and friends

**Languages Known:** English, Hindi and Telugu.

### Declaration:

I hereby declare that the above information is true, complete and correct to the best of my Knowledge and belief.

Place: Hyderabad

(M.S MOHAN KUMAR)

Date: