



# METTA SRIRAM

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Personal Portfolio

## EDUCATION

<b>Bachelor of Technology</b>   <i>Mechanical Engineering</i>	2016 – 2020
Indian Institute of Technology, Bhubaneswar	CGPA: 8.90
<b>Intermediate</b>   <i>12th Class</i>	2013 – 2015
Narayana Junior College, Visakhapatnam	95.6 %

## WORK EXPERIENCE

<b>Deputy Engineer</b>	February 2021 – July 2023
Bharat Electronics Limited	Bangalore, India
<ul style="list-style-type: none"><li>Working in the design of Military Tactical Shelters under the Ministry of Defence, Govt. of India</li><li>Employed new ways to tackle the thermal management issues in the electronics and ruggedizing them</li></ul>	
<b>Graduate Engineering Trainee</b>	August 2020 – December 2020
Larsen and Toubro Valves Limited	Coimbatore, India
<ul style="list-style-type: none"><li>Worked in the Supply Chain Management, dealing with Indirect Purchase</li></ul>	
<b>Research And Development Intern</b>	May 2019 – July 2019
Mahindra Research Valley	Chennai, India
<ul style="list-style-type: none"><li>Worked on the subsystem design and development of an autonomous vehicle</li><li>Developed a small prototype under the funding of Society of Automotive Engineers India</li></ul>	
<b>Engineering Intern</b>	December 2018
Hindustan Shipyard Limited	Visakhapatnam, India
<ul style="list-style-type: none"><li>Worked in the Quality Control department and focused on the Industrial Safety</li><li>Published an updated Safety Manual for the company under the direct supervision from the General Manager</li></ul>	

## PROJECTS AND RESEARCH

<b>CFD modelling of energy absorption characteristics of PCM-Metal Composite System, 2019-20</b>
Indian Institute of Technology, Bhubaneswar
<ul style="list-style-type: none"><li>Worked on Phase Change Materials and use their Latent Heat properties to store energy under the guidance of Dr. Anirban Bhattacharya</li><li>Studied the behaviour in triple tube heat exchangers and optimised the energy storage prospective in the same. Published a research paper in the <i>Journal of Energy Storage</i> with 13 citations to it, as on August, 2022</li><li>Awarded the prestigious Dinesh Memorial Award and Institute Proficiency in Project Work Award</li></ul>
<b>CanSat Competition - 2019</b>
NASA Goddard and American Astronautical Society (AAS)
<ul style="list-style-type: none"><li>Developed a unique blade design for the Auto-Gyro based landing technique, as part of the problem statement, to avoid the damage to the payload</li></ul>
<b>Design and fabrication of an Autonomous Spirometer, 2017-18</b>
Indian Institute of Technology, Bhubaneswar
<ul style="list-style-type: none"><li>Designed and developed a prototype of an Autonomous Medical Spirometer to estimate the Lung Capacity based on Pascals law, and validated with the medical records</li></ul>

## PUBLICATIONS AND CERTIFICATIONS

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### **Analysis and optimization of triple tube phase change material based energy storage system**

Sriram, M., & Bhattacharya, A. (2021). Journal of Energy Storage, 36, 102350

### **Certified Course on ANSYS and CATIA**

Indo-German Institute of Advanced Technology, Visakhapatnam, June 2018 – July 2018

### **Basic Statistics & Introduction to Six Sigma**

Bharat Electronics Limited Academy of Excellence, April 2022

### **Quality Tools for Analysis**

Bharat Electronics Limited Academy of Excellence, April 2023

### **ANSYS ICEPAK Thermal Management Training**

CoreEL Technologies, June 2022

## SKILLS

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**Languages:** Telugu (Native), English, Hindi

**Programming:** C, FORTRAN, Python, MATLAB

**Softwares:** SolidWorks, ANSYS, CATIA, Altair (Inspire Cast), Adobe Photoshop, Arduino, MS Office

## LEADERSHIP

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### **Governor, Robotics & Intelligent Systems Club (RISC)**

2018 – 2019

Acted as Governor of the club at IIT Bhubaneswar, while being an active member from 2016 – 2020

### **Event Coordinator, Yanthrix**

2017 – 2019

Acted as the event coordinator (conducted by RISC), as part of WISSENAIRE, IIT Bhubaneswar

### **Core Head, E Summit**

2016 – 2018

Acted as Core Head of The Annual Entrepreneurship Conclave, E Summit, IIT Bhubaneswar

### **Member, Knocksoniacs**

2017 – 2019

Member of the team under Society of Automotive Engineers (SAE) and participated in BAJA

## ACHIEVEMENTS & ADDITIONAL ACTIVITIES

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### **Dinesh Memorial Award**

Endowment award for Best B. Tech thesis work at IIT Bhubaneswar, 2020

### **Institute Proficiency in Project Work**

Awarded for the project work done on Phase Change Materials for the year 2021

### **CANSAT Competition, 2019**

Secured 63<sup>rd</sup> rank among the teams participating all over the world

### **Joint Entrance Examination, 2016**

Selected in the top 1 percentile of students across India

### **EAMCET, Andhra Pradesh, 2016**

Secured 11<sup>th</sup> rank in the exam, among students appearing in my state

### **10K Marathon, Rotary Club Bangalore, 2022**

10 Km Run for spreading awareness on Cancer

### **200K Race, Bangalore Cycling Club, 2022**

200 Km cycling, as part of endurance racing