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## SRIVASTHAN R (14M155)

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### CAREER OBJECTIVE:

Looking for an entry level position in a digital technological organization or company where I can utilize my skills to company's growth and grow with the same.

### EDUCATION:

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|------|--|
| 2017 | Bachelor of Engineering, Mechanical engineering PSG College of Technology. Coimbatore<br>CGPA : 9.0 (Upto 6th semester)  |
| 2014 | Higher secondary - Bharathidhasanar matriculation higher secondary school. Arakkonam<br>Physics, chemistry, Mathematics and computer science (cut off -200)<br>% of Overall Marks : 97.4 |
| 2012 | High school- Dr.V.G.N matriculation higher secondary school . Arakkonam<br>% of Overall Marks : 96   |

### PATENTS:

- patent for the project **Electronic Sound Control Systems in Industries.**
- patent for the project **Automatic equal Length cutting Machine** project

### HONORS:

- **National Level Best Project Award (gold medal)** awarded by **National Design And Research Forum** for the **industrial sound control project.**
- **All India Millenium Award** awarded by Danfoss group of industries for the **Low cost ice flake machine** project.

### SKILLS

- |                                     |   |
|-------------------------------------|---|
| • SolidWorks 2015                   | • VBA programming                                   |
| • Internet of Things (Raspberry pi) | • Machine Learning & Neural networks (Scikit Learn) |
| • LabVIEW 2011                      | • Microsoft office 13.0                             |

## **PROJECT WORKS COMPLETED:**

### **UG Project**

#### **Design and Fabrication of Automatic Equal Length Cutting Machine**

- \* Based on field study and feedback from the workers, cutting the work pieces into equal length was taken as objective.
- \* Dimensions was arrived and modeled using solid works.
- \* Structural analysis was carried out using commercial FEM software.
- \* Automation mechanisms were implemented and design objectives were achieved.
- \* Fabrication has been done and tested for required functions of the machine.

### **UG Project**

#### **Design of Electronic Sound Control System for Industries**

- \* Noise from the machines is the main cause of worker's fatigue and it was taken as an objective.
- \* The required allowable frequency is filtered from the noisy environment using low pass filter and smoothing filter.
- \* Microphone is interfaced with arduino controller and required control system is achieved

### **M/s DANFOSS INDIA PRIVATE Ltd**

#### **Design Of Low Cost Ice Flakes Generating Machine**

- \* Design of Low cost ice flake generating machine with dimension less than 2ft \* 2ft was chosen as an objective.
- \* The evaporator, coils and overall model is designed using solid works .
- \* Calculations were done and the compressor and expansion valve is selected from the Danfoss Cool Selector software.
- \* The model is designed with the required specifications and the designed model is suggested for fabrication.

### **Intern Project GE Oil and natural gas**

#### **Reducing the number of ETO's in 21k and 41k valves by Design Automation**

- \* Identified the source of variations in 21k and 41k valves.
- \* Reduced the source of variations by implementing set of application guidelines.
- \* Design automation of valve body using driveworks.
- \* Design automation of Anti-cavitation plugs in 21k valves

### **AREA OF INTEREST**

- Machine Learning.
- Industrial automation

### **AREA OF STRENGTH**

- Sensor Interface
- Design Automation

**ACTIVITIES:****Pegasus Racing**

**Responsibilities (Electrical And Automation Divison):** Automatic Gear shifting, Tachometer ,Speedometer, electrical wiring, heat sleeve fixing and soldering.

**FESTO COMPETITION:**

Got **Second place** in PNEUMO'17 Competition conducted by FESTO industries in association with ASME.

**TRAINING DETAILS:**

<b>TIDC Ltd</b>	Cam chain cell , Engineering Chain Cell (4 days)
<b>INDIA PISTONS Ltd</b>	Machining Shop and testing LAB (5 days)
<b>GE oil and gas</b>	Design automation (2 months) in valves.

**ACHIEVEMENTS:****IIT Madras**

- **State Level Best Designer** in Solidworks .
- **Second place** in **Desmod Online** design competition .
- **Second place** in **Ideas Challenge** in Mechanica

**LEADERSHIP SKILLS**

- **Event Coordinator** of **Association Of Mechanical Engineers.**

**PERSONAL**

**DOB** : 26.01.1997  
**Blood Group** : A+ve  
**Languages** : Tamil, English and Kannadam  
**Gender** : Male

**DECLARATION**

I hereby declare that the above provided information is true to my knowledge and belief.

SIGNATURE: \_\_\_\_\_