



# SUNILKUMAR R

*B.Tech Mechanical Engineering Graduate*

*"To work for a result oriented organization to apply my knowledge and effort for the future developments."*

## Education

- 2013–2017 **B.Tech**, *Ammini College Of Engineering*, Palakkad.  
Mechanical Engineering , CGPA – 7.22
- 2011–2013 **Higher Secondary Board**, *Kannadi Higher Secondary School*, Kannadi.  
[Maths, Physics, Chemistry, and Biology] , Percentage – 67
- 2011 **SSLC Board**, *Kannadi High School*, Kannadi.  
Secondary School Certificate , Percentage – 72

## Academic Projects and Seminar

- 2017 **Main Project : Virtual Structural Analysis of an Automobile Chassis..**  
The aspiration of the work is to find out the alternate material and a better cross-section for an automobile ladder chassis. A 3D solid model of Ladder chassis is created on the computer using Solid Edge ST9 and it is exported to Ansys for performing Finite Element Analysis.  
*As a result we get the best material for the chassis is **S Glass**, and **I section** as the better cross-section.*
- 2017 **Seminar : Photoacoustic CO2-sensor for automotive applications.**  
A sensor is developed for automotive applications. The field-tested miniaturized spectroscopic CO2 sensor which is based on the photoacoustic effect.
- 2016 **Mini Project :Fabrication of Pedal Operated Hacksaw Cutter .**  
Pedal operated hacksaw machine is used for small scale industrial applications and household needs in which no specific input energy or power is needed.

*C.K.HOUSE, Maruvapadam, Kannadi (PO) – Palakkad- 678701*

*☎ (+91) 9496351265 • ✉ sunilkumarskr30@gmail.com*

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## Technical Skills

- 2017 **NDT Level II Certificates**, in accordance to American Society of Nondestructive Testing (ASNT), in:
- Radiographic Testing
  - Magnetic particle Testing
  - Radiographic Film Interpretation
  - Ultrasonic Testing
  - Liquid Penetrant Testing
  - Visual Testing
- 2017 **Completed the course of QA/QC Engineering and Welding Inspection.**
- 2017 **Designing in HVAC and Fire Fighting .**

## Additional Skills

Mechanical Engineering Softwares:



### Additional Softwares

Microsoft Office  
Adobe Photoshop

Hourly Analysis Program  
Beta

Ductsizer  
Inventor

## Personal Skills

- Ability to build relationship
- Can manage time effectively
- Set up trust
- Sincere and Hardwork
- Willing to learn new things
- Self-Motivation

## Extra-Curricular Activities

- 2017 **Part time job as salesman at Chennai silks, Ernakulam for 2 months.**
- 2017 **Presented paper “Virtual Structural Analysis of an Automobile Chassis ”, in National Conference on Research Innovations in Science and Engineering (NC RISE 2K-17) at Ammini College of Engineering.**
- 2017 **Executive Volunteer Member, on NC RISE 2K-17 at Ammini College of Engineering.**
- 2017 **International Journal of Scientific and Engineering Research(ISSN 2229-5518), accepted my paper on “Virtual Structural Analysis of an Automobile Chassis”.**  
Paper ID : I0109568
- 2017 **International Journal Of Advance Research and Technology(ISSN 2278-7763), published my research paper on “Virtual Structural Analysis of an Automobile Chassis”.**  
Manuscript ID : AJ028129
- 2016 **Attended three days Pre-Placement Orientation class under “ICT Academy of Kerala”at Ammini college of Engineering, Palakkad , Workshop, Date: 8th,9th and 10th Dec 2016.**
- 2015 **Won Elite in National Programme on Technology Enhanced Learning (NPTEL) online course on Finite Element Analysis-1.**

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## Interests

- Traveling
- Listening Music
- Watching Movies
- Internet Surfing.

## Personal Details

Date of birth: 30th of January, 1996

Address: C.K.HOUSE, Maruvapadam, Kannadi (PO),Palakkad-678701

Marital: Unmarried

Mobile No.: +91 9496351265

Passport No.: R0974987

Languages: Malayalam, Tamil, English, Hindi

Social:  <http://www.facebook.com/sunilkumarskr30>

## Declaration

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particular.

Place:

Date:

*SUNILKUMAR R*