



Ramkiran Kesana

Resume

"A quick learner with a passion to design"

Education

- 2016–2017 **Masters of Science**, *Blekinge Tekniska Hogskola, Structural Mechanics*, Karlskrona, Sweden.
Pursuing
- 2012–2015 **Bachelor of Technology**, *Jawaharlal Nehru Technological University Hyderabad*, India, Mechanical Engineering.
- 2010–2012 **Pre University Course**, *Sri Chaitanya college Hyderabad*, India, Maths, Physics and Chemistry.
- 1998–2010 **School**, *Bashyam Public School*, India.

Projects

- Title *Systematic Review on Reusing waste heat produced by IC engine*
Supervisors Professor Dr.Wlodek Kulesza, Blekinge Tekniska Hogskola
Description The paper identifies gaps in waste heat reuse and proposes a thermo electric generator which assists radiator in cooling the engine coolant and produces electricity with absorbed heat.
- Title *Finite Element Analysis and Optimisation of Diesel Piston*
Supervisors Professor Dr.Sudheer Kumar, Jawaharlal Nehru Technological University
Description The paper aims at analysing thermal and mechanical stress and Optimising deflection of piston.

Experience

- 2015 **Summer Intern**, INDIAN RAILWAYS.
Worked on a fuel oil system for Indian Railways at Diesel Loco Shed and carried out a case study.
- Key achievements:
- Learned how to have blend into the team.
 - Got an understanding on tools and methods used.
 - Overhauling of 16 cylinder Diesel locomotive engine.

2016 **Summer Intern**, AV TURBO MECH ENGINEERS, INDIA.

Worked on power plant maintenance. Dealing with turbine gearbox repair and overhauling.

Key Achievements:

- Dismantling and recommissioning turbine pedestals.
- Calibration of governing valves.

Technical skills

Programming	Python, C, Bash(Shell)
CAD	AutoCAD 2D & 3D, Catia, PTC Creo, Solid works
CAE	Ansys, Comsol
Numerical Computation	Matlab, GNU Octave
Operating Systems	Windows, Linux

Independent Coursework

- MOOC course on Linux Fundamentals offered by Linux Foundation at edX.
- MOOC course on programming with Matlab by Vanderbilt University, USA at Coursera.
- Programming in C & Data Structures at CMTES, Hyderabad

Workshops Attended

- 2014 **Participated in Anwesha 14**, *Campus Ambassador for JNTUH*, Indian Institute of Technology, Patna, India.
Received certificate of Appreciation
- 2013 **Participated in Nvision 13**, *Robo Soccer*, Indian Institute of Technology, Hyderabad, India.
- 2013 **Participated in Micro Air vehicles**, *Conference*, Jawaharlal Nehru Technological University, Hyderabad, India.
- 2014 **Participated in Part design and simulation**, *Workshop*, Illiminati Group, Hyderabad, India.

Languages

English	Advanced	<i>Fluent</i>
Telugu	Mother Tongue	<i>Fluent</i>
Hindi	Advanced	<i>Conversationally Fluent</i>
Swedish	Basic	<i>Basic words and phrases only</i>