

👤 ABOUT

Versatile engineer with a mission to enable customer 😊

🏢 WORK EXPERIENCE

🏢 **Syscon International** Feb. 2017 – Present
🌐 <https://syscon-intl.com>

Product Engineer

Support product development of high temperature measurement systems

Develop technical specifications from market feedback

Standardize documentation resulting in greater team performance

Recommend design improvements by testing prototypes

Products Delivered: TS-1 handheld pyrometer, WM-1 temperature readout and FL-1 thermal analysis system

🔥 **Qualcomm / Purdue University** Aug. 2014 – Dec. 2016
🌐 <https://bit.ly/2Nm4cXW>

Thermal Engineer

(Masters Thesis) Feasibility study of cooling smartphones using Phase Change Materials (PCMs)

Reduced max processor temperature by 5%

Setup hardware thermal testing and developed heat transfer simulations in COMSOL and ANSYS

Published and presented reports and research papers

🚗 **Built a car for BAJA SAE India** Feb 2012 – May 2014
🌐 <https://bit.ly/2Nm4cXW>

Transmission Engineer

(Undergrad project) Wear multiple hats to build an off road vehicle

Setup the first collegiate to participate in BAJA SAE India

Complex design (gear) and static FEA analysis in SolidWorks Simulation

Mentored incoming team member and fundraising

🔧 Skills

Mechanical Design ★★★★★

- SolidWorks CAD: BOM
- Structural (FEA) analysis
- DFA, DFM, FMEA

Heat Transfer ★★★★★

- Thermal design, testing
- Temperature measurement
- What-If analysis

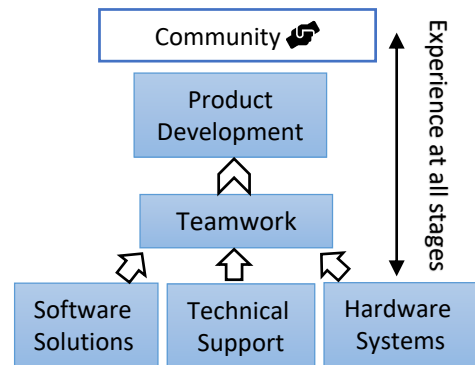
CFD ★★★★★

- ANSYS FLUENT (with UDF)
- COMSOL
- MATLAB

Data analysis ★★★★★

- MATLAB: Optimization
- Python: Machine Learning
- Code optimization
- Visualization

❓ Why Me?



🎓 Education

🎓 **Purdue University, USA**
Masters Mechanical Engineering
Minor: Computational Science
2014 - 2016

🎓 **Vellore Institute of Technology, India**
Bachelors Mechanical Engg.
2010 - 2014