Yash Ganatra

Mechanical Engineer

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🌐 www.yashg1.github.io 📍 Mishawaka, IN - USA

👤 ABOUT

Versatile engineer with a mission to enable customer success.

💼 WORK EXPERIENCE

🏭 Syscon International Feb. 2017 – Present
🌐 https://syscon-intl.com

Product Engineer
Leads product development of high temperature (2500°F) measurement systems

Develop product technical specifications from customer and sales team feedback

Test prototypes to recommend design improvements

Define and oversee execution of performance validation tests

🔥 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

Static and dynamic FEA analysis in SolidWorks Simulation

Mentored incoming team members, coordinate logistics and fundraising

🔧 Skills

Heat Transfer ★★★★
- Thermal design, testing
- Temperature measurement
- What-If analysis

CFD ★★★★
- ANSYS FLUENT (with UDF)
- COMSOL
- MATLAB

Mechanical Design ★★★★
- SolidWorks CAD: BOM
- Structural (FEA) analysis
- Cost reduction

Data analysis ★★★
- MATLAB: Scripting,
- Python: Machine Learning
- Code optimization
- Visualization