

NIRAVKUMAR DODIA

Contact: +16822084189

Email: nirav2190@gmail.com

SUMMARY

Pursuing Masters in Mechanical Engineering at University Of Texas at Arlington, Texas after having completed undergraduate degree in Aeronautical Engineering from India. Want to implement my theoretical knowledge in the real world and make this world much more technologically advanced and yet environmentally friendly. My goal is to collaborate with the team at my company, seeking challenging assignments and completing them, thereby, further enhancing the company's success and reputation.

EDUCATIONAL QUALIFICATIONS

Masters of Science in MECHANICAL ENGINEERING

GPA: 3.4

University of Texas at Arlington, Texas

Graduating in December 2015

Coursework: Convection Heat Transfer, Fluid Mechanics, Computational Aerodynamics, Electronic Packaging, Gas Dynamics and Structural Aspects of Design.

Bachelors of Engineering in AERONAUTICAL ENGINEERING

GPA:3.6

The Aeronautical Society of India, New Delhi

Graduated in June 2013

Coursework: Engineering Thermodynamics, Strength of Materials, Aerodynamics, Aircraft Propulsion, Aircraft Structures, Aircraft Performance, Stability and Control, FEM, Basic Electronics, Electrical Engineering, Microprocessors, Workshop Technology,

PROJECTS AND THESIS WORK

Working on Thesis topic for Efficiently Cooling the Datacenters.

- Make Thermodynamic Models for Evaporative (Indirect/Direct) Cooling and compare it with actual coolers for any divergence on performance and outlet parameters.

Analysis of Server and Server Fans.

-Worked in a team to Analyze HP SE1102 Server and its fans on Air Flow Bench.

CFD Code for "Coutte Flow".

-Worked in a team to develop a CFD code using MATLAB for "Coutte Flow".

Analyzing One Dimensional Beam Problem.

-Developed a Finite Element code using MATLAB to analyze One Dimensional Beam Problem.

WORK EXPERIENCE/INDUSTRIAL TRAINING

Jeevandeep Institute, Panchgani (June-Dec 2013)

Taught Fluid Mechanics, Engineering Thermodynamics, Basic Electronics to First year Engineering Students.

Lab Training at Tagore Institute of Technology, Chennai

I was exposed to various experiments which helped me bridge the gap between theory and actual practice.

Industrial Training at Jain Industrial Training Institute, Chennai

Worked on Lathe Machine, Cutting and Welding of Metals as a part of curriculum for Workshop Technology.

SKILLS/EXPERTISE

Experimental Skills: Testing on Air Flow Bench, Analysis of Server and Airflow Parameters in a Datacenter.

Software Skills: Solidworks, ANSYS Icepak, MATLAB, Microsoft Office, BlueJ.