**RAJEEV SRIVASTAV KONDAGARI**

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Austin, Texas

Zip code: 78759

**SUMMARY**

* Master’s Degree in Mechanical Engineer with a strong background in Design and Manufacturing
* Adept in using ANSYS simulation tools and basic knowledge on Lean Manufacturing
* Knowledge on Machining process , Quality Control and Testing of materials
* Technically skilled in usingAuto CAD,Pro-E/CREO and MATLABfor design and analytical applications
* Good theoretical knowledge and working on reliability projects and project management case studies.
* Excellent communication and presentation skills

**EDUCATIONAL CREDENTIALS:**

Master of Science in Mechanical Engineering Lamar University, December 2015

With 3.25 GPA. Beaumont, Texas

Bachelor’s Degree, Major in Jawaharlal Nehru

Mechanical Engineering with 3.5 GPA Technological June 2014

University-Hyderabad,

India

**PROFESSIONAL EXPERIENCE**

* Manufacturing Intern at
* **Mishra Dhatu Nigam Limited (MIDHANI - 2013)**
* Worked on development of Gun Barrel in Forge Press Department
* Worked in a Quality Control and Testing Laboratory for the Titanium Alloys.
* Hands on experience on different types of machining process such as Electrochemical machining (ECM), Chemical milling (CHM), and Laser beam machining (LBM)
* Knowledge on different tests like Mechanical Testing (Fatigue Testing, Impact Testing and Corrosion Test), Metallography and Non-Destructive Testing.

* **Laboratory assistant** for department of Mechanical engineering, Jawaharlal Nehru Technological University, India, 2010-2014.
* **Teaching assistant** for FEA with ANSYS during Undergraduate.
* Worked as a **Student Assistant** in Intramural Staff, Lamar University, 2014-2015.

**ACADEMIC PROJECTS**

* **FEA Analysis Of Line Contact With Comparison Of 2-D And 3-D Models For Structural Steel (Lamar University- 2015)**
* Worked on contact mechanics of line contact using FEA analysis.
* The Line contact for cylinder with structural material is analyzed within elastic region for 2D and 3D.
* **Selection Of A Pump And Its Numerical Analysis (Lamar University- 2015)**
* Worked on deducing the operating conditions of the pump so that the design engineer is enabled to select a pump from a manufacturer’s catalog.
* The project consists of a piping system where fluid is transported by a centrifugal pump.
* The Pumps that were chosen for this project are manufactured by “AMERICAN TURBINE PUMPS”
* **Design of a Centrifugal Pump (Lamar University- 2015)**
* The goal of this design is to maximize the efficiency of centrifugal pump**.**
* Worked on the calculation of pumping conditions and based on the results obtained suitable pump is selected for the design purposes.
* The design of the centrifugal pump is only based on the parameters like constant flow coefficient.
* **Structural Design Of Serviceable Recreator For Ship Engines (JNTU – 2014)**
* Worked on design of ship motion replicating device which can be used to test the performance of ship engines.
* The Design is converted into Solid Model using 3D CAD software tool i.e. SOLIDWORKS and followed by structural analysis using Finite Element Method (FEM) using ANSYS software
* **Improving the performance of I.C engines using secondary Fuel (JNTU- 2014)**
* Worked on improving the efficiency and life span of an I.C engine using secondary fuel (HHO)
* It includes the performance test of Four Stroke Diesel Engine by mechanical loading with HHO gas

**SKILLS**

* Certified in Pro-E Wildfire 5.0, AutoCAD 3-D, CATIA V5 and ANSYS in CANTER CADD
* Knowledge on different milling and testing processes of materials.
* Matlab and C language
* MS Office

**ACHIEVEMENTS**

* Awarded **“Lamar University Graduate Student Scholarship**” for 2014 -15 academic year.
* Served as a member in BOARD OF DIRECTOR for Mechanical Engineering Association for the department of Mechanical Engineering in Jawaharlal Nehru Technological University, Hyderabad.
* Served as a volunteer in AUTO-EXPO 213 organized in Jawaharlal Nehru Technological University
* 3rd position in “Amphibot” on the occasion of Mechanica’12 held in CBIT college, Gandipet, Hyderabad.
* Participated in various Workshops and member of SAE (Society of Automotive Engineers) committee.
* Participated in many cricket and football tournaments.