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NISARG PATEL

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OBJECTIVE:

A Mechanical Engineering graduation candidate with experience in industrial design, planning and resource management, seeking to apply my skills and desire to learn in a cooperative industrial environment to help the company achieve its design objectives while developing new skills and experience

EXPERIENCE:

Prashant Gamatex **Ahmedabad, Gujarat, India**
Summer Associate **June 2015 – Aug 2015**

- Design and analysis of Rollers of Extra tension Device in Sectional Warping machine in SolidWorks
- Designed new gear drive for the pulley of Single end sizing machine

University of Saskatchewan **Saskatoon, Canada**
Summer Associate **June 2013 – July 2013**

- Part of a selected top 20% students of the Mechanical Engineering department for International Exposure program
- Designed and developed a hydraulic operated crane
- Planned and managed the project with limited resources and time

Kataria Automobile **Ahmedabad, Gujarat, India**
Summer Associate **May 2013**

- Installation and removal of any major component like gear-box and engine
- Optimization of service duration of a car

EDUCATION:

University of Houston **Houston, Texas**
Master of Science, Mechanical Engineering, GPA: 3.5 **Aug 2014 – May 2016**

- Nanostructured materials for Li-ion and Li-air batteries
 - Paper review of the future aspects and the theory to use nanomaterials in Li-ion batteries
- Clean Diesel from GTL process
 - Environmental impacts and overall future scenario of GTL process in USA
- Flow over airfoil with and without flap
 - Simulation using Fluent-ANSYS
- MEMS Fabrication of Pt thin film RTD for high temperature application
 - Proposed a RTD that has higher lifetime at high temperature

University of Houston **Houston, Texas**
Certificate in Subsea Engineering **Aug 2014 – May 2016**

- Design of Subsea Pipeline
 - Front End Engineering and Design of infield flowline
 - Designed the pipeline and the buckle arrestor
- Flow Assurance study of a Subsea field
 - Designed the Subsea field and derived the flow assurance strategies
 - Designed the water injection and gas injection layout, whole project on PIPESIM

Pandit Deendayal Petroleum University **Gandhinagar, Gujarat, India**
Bachelor of Technology, Mechanical Engineering, GPA: 7.9/10 **Aug 2010 – May 2014**

- Design and Development of Air Powered Engine
 - Modified the existing IC engine into an Air-Engine
 - Evaluated and analysed various operating parameters
- Worked in a team of 4 to design and develop an air powered engine and got published in journal of proceedings of the 14th Annual Early Career Technical Conference in 2014

SKILLS

- MS office
- SolidWorks
- C/C++
- Creo-Parametric
- ANSYS
- CNC
- PIPESIM
- Math CAD

EXTRA CURRICULAR ACTIVITIES & SPORTS

- Team member of SAE-India BAJA 2014 - PDP team
- 3 weeks of Civil and social service internship
- Scorekeeper at Intramural sports in University of Houston