

JAYMIN SHAH

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EDUCATION:

New York Institute of Technology, New York, NY **Dec 2018**
Master of Science in Energy Management and System Technology
Institute of Technology and Management Universe, Vadodara, India **June 2016**
Bachelor of Science in Mechanical Engineering

WORK EXPERIENCE:

Energy Research & Corporate Sustainability Analyst Intern **July 2018 – Oct 2018**
Associated Renewable, New York, USA

- Conducted Energy Audit for commercial and high-rise residential buildings
- Conducted building benchmarking using ENERGY STAR Portfolio Manager
- Performed spreadsheet-based calculations to identify energy conservation measures (ECM) and high-potential retrofit strategies

Planning and Maintenance Engineer **June 2016 - Dec 2016**
Alpha Engineers, Vadodara, India

- Inspected gear manufacturing equipment for preventive maintenance reason
- Developed gear design in AutoCAD and cost and time estimates of planned maintenance work
- Review business sales and inventory plans for conformity with company laws and regulations

Planning and Maintenance Assistant **May 2014 - May 2016**
Alpha Engineers, Vadodara, India

- Communicate directly with the PM team regarding inventory plans, vendor appointments, damaged products
- Responsible for planning, scheduling production activities, supervising the production process
- Created different gear profile and design in AutoCAD as per the customer requirement

Student Intern **May 2015 - June 2015**
Loxim Industries Limited, Vadodara, India

- Inspected manufacturing of color dye and powder and inspection of all manufacturing components
- Planned and coordinated with the Project Managers for the utilization of man-source and distribution of raw material for the manufacturing process
- Examined the packaging and the transportation chain of color dye in Company

ACADEMIC PROJECT:

Validation and Performance Improvement of Centrifugal Pump Using Computational Fluid Dynamics
Institute of Technology and Management Universe, Vadodara, India. **May 2015- May 2016**

- Improved the centrifugal pump overall efficiency by applying CFD analysis from the existing geometry of the pump
- Calculated analytical design of the Impeller and generated its geometry, developed geometry generation of (Impeller+Volute) assembly and CFD simulation in ANSYS-CFX, Pro-E, and CF-Turbo design Software

CERTIFICATION:

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- BPI Building Analyst
 - LEED Green Associate
 - OSHA 40 Hour HAZWOPER Training
 - Diploma in AutoCAD
 - Autodesk Inventor
 - Workshop on CNC Turning and Milling

COMPUTER SKILLS:

Computer Skills: Microsoft Office, Excel (VBA), PowerPoint, Cero (Basic), Revit (Basic)