

Mihir Patel

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Objective

Motivated student having master's degree in Energy Management and System Technology, ready to implement diverse skills in the field with all eagerness to bring excellent work ethic and strong commitment to quality performance. Well-organized, reliable and proficient in Energy Modeling Software. Hardworking team player with excellent planning and problem solving abilities.

Education

New York Institute of Technology, New York, NY.

May 2020

Master of Science in Energy Management and System Technology

Courses: Energy Management, Energy and Environmental law, Energy Technology in Perspective, System Engineering Management, Alternative Energy Systems, Power Plant Systems, Intro. to Environmental, Fundamentals of Air Pollution, Wind Technology.

Parul Institute of Engineering and Technology (GTU), Gujarat, India.

Dec 2016

Bachelor of Science in Mechanical Engineering

Courses: Fluid Mechanics, Environmental Studies, Fluid Power Engineering, Alternate Energy Source, Energy Conservation and Management, Heat and Mass Transfer, Thermal Engineering, Power Plant Engineering, Computer Aided Design.

Software Skills

EnergyPlus, eQuest, Trace 700, SCADA, AutoCAD, Autodesk, REVIT, Microsoft Office (Word, Excel, Power point).

Academic Projects

Nanotechnology in Solar cell.

Dec'19 – April'20

- Made a thesis on Nanotechnology in Solar cell.
- Satisfied modification required in nano solar cell for better consumption of energy in solar panels.
- Explained different generations of Solar cells with its benefits and applications.
- Concluded with the new ideas were nanotechnology in solar cell can be used in daily life.

Satisfaction of Energy Requirement.

Jan'19 – May'19

- Satisfied entire US with the requirement of energy by combining Wind, Solar and Hydro technologies in 2016.
- Selected appropriate location with the availability of these resources.
- Calculated cost of the energy with the help of LCOE calculator.

Energy Auditing

Sept'18 – Dec'18

- Conducted Energy Audit for studio apartment in Queens, NY.
 - Collected information on consumption of electricity (Kwh) and cost based on the tariff provided in ConEdison electricity bill.
 - Created reports and analysed the data provided in electricity bill and helped in consuming the electricity and gas bill with different parameters.
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Work Experience

Bharat Rasayan Limited, Dahej, Gujarat, India | General Engineer Trainee

May'17- April'18

- Worked in Energy Department and analysed power usage by the company.
- Inspected Pesticides products on On-site irrigation and Drainage system.
- Calculated and Analysed data of the energy used by the departments with the help of energy simulation tools.
- Posted for two months in Environmental Department to gain knowledge about Air pollution and its control.

Wanakbori Thermal Power Station, Kheda, Gujarat, India | Mechanical Intern

June'15- July'15

- Worked as Intern in Mechanical department of thermal power station.
- Handled Coal and Ash department as well as done punch list and documentation for final commission of the plant.
- Prepared reports on the distributing the required electricity for work.

Gujarat Natural Fertilizer and Company (GNFC), Bharuch, Gujarat, India. | *Mechanical Intern* May'14 – June'14

- Worked as Mechanical intern and learned about various types of compressor and gas turbines under the supervision of chief engineer.
- Worked in Energy department of the company and gained knowledge about the usage and consumption of the energy.
- Fixed troubleshooting problems related to the machinery used in the plant.

Skills

- Knowledge of Energy efficient, ASHRAE: Level 1&2 Auditing, Modeling software, Renewable Technologies, HVAC system and PVsystem.
- Knowledge of improving efficiency of building equipment's and its system.
- Excellent verbal and written skill.
- Ability to perform multiple task without losing focus.
- Ability to keep accurate records of projects and can plan, schedule and work independently.

Certificates

- BPI - Building Analyst Professional.
- OSHA 10-hrs General Industry Training.
- Willdan Clean Energy Academy.