OM NAYAK
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EDUCATION:

New York Institute of Technology, New York, NY   **May 2019**
Master of Science in Energy Management and System Technology
Parul Institute of Technology, Vadodara, India   **May 2017**
Bachelor of Science in Electrical Engineering

WORK EXPERIENCE:

Student Intern   **May 2016 - June 2016**
Gujarat State Fertilizers & Chemicals Limited (GSFC)
- Preparing the flow diagram by taking design data inputs from our clients to set the expectations and deliverable.
- Work on PLC/ SCADA software for programming in order to generate turnkey solution which is useful in panel manufacturing.
- Worked under the Department of transformer ratings to familiarize with input & output connections, core & shell type and different types of windings.
- Got Brief knowledge of transmission line.

Energy Research & Corporate Sustainability Analyst Intern   **July 2018 – Oct 2018**
    Associated Renewable, USA
- Conducted ASHRAE Level 1 & 2 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.

ACADEMIC PROJECT:

Building Energy Modeling using REVIT   **JAN 2018 – MAY 2018**

Building energy modeling (BEM) process for residential/commercial buildings could be time-consuming, error-prone, and requires expertise. This explains a software tool developed for automating residential building energy simulation using BIM. In addition, this tool could also contribute to providing detailed information concerning heat transfer through building envelope components such as walls, windows, roof, and floors for monitoring purposes. Tools used to develop this software capability include the modified source code of Open Studio and Energy Plus. A case study is used to validate the outputs of the tool using Revit to generate a BIM file, which is later converted to an Input Data File (IDF) file that includes all the required data for energy simulation to be used in modified Energy Plus. Results are compared to the outputs from existing energy simulation tools, which will show that this tool is capable of performing automated energy simulation.

COMPUTER SKILLS:

Microsoft Office, Excel (VBA), PowerPoint, AutoCAD (Basic), Revit (Basic), Autodesk, MATLAB

CERTIFIED COURSE:

Building Performance Institute **Building Analyst**   **MAY 2019**