



Swetha Maadugula

LEED GA
Energy Engineer

Swetha is a results-driven professional with expertise in renewable energy, project coordination, and data analysis. With experience in wind and solar energy systems, sustainable building design, and client-facing project delivery. She is a graduate of Texas A&M University, with a Master of Science Degree in Entrepreneurial Leadership and Jawaharlal Nehru Technological University with a Bachelor's degree in Mechanical Engineering.

EDUCATION

Texas A&M University, Mays Business School

Masters of Science degree in Entrepreneurial Leadership

Jawaharlal Nehru Technological University

Bachelor of Technology in Mechanical Engineering

RELEVANT EXPERIENCE

- Conducted in-depth energy audits for buildings and renewable installations, identifying inefficiencies and recommending targeted energy-saving solutions
- Improved building energy efficiency from 65% to 92%, contributing to successful LEED Platinum certification through system upgrades
- Designed and optimized wind and solar power systems using AutoCAD, SolidWorks, RETScreen, and PVSOL, enhancing site-specific performance and durability
- Increased energy output by 8% at a 4.02 MW solar farm through performance monitoring and operational optimization
- Accelerated the completion of a 30 MW wind farm by 15% through Agile coordination and data-driven project analysis
- Performed environmental assessments evaluating water usage, waste management, carbon emissions, and indoor air quality
- Applied statistical modeling (Stata, Excel, ANOVA) to forecast trends, validate hypotheses, and support decision-making in energy and business research
- Supported product and market strategies through competitor analysis, customer segmentation, and KPI forecasting
- Used Lean and Six Sigma methodologies to streamline communication and project workflows, increasing delivery efficiency and client retention
- Collaborated with cross-functional teams to manage multi-million-dollar energy projects and support sustainable infrastructure development.

CERTIFICATIONS AND SKILLS

Certifications:

- Certified Associate in Project Management (CAPM)
- Leadership in Energy and Environmental Design (LEED)
 - Green Associate (GA)
- Dassault Systèmes Certified Professional
 - Certified SOLIDWORKS Professional (CSWP)
 - Certified SOLIDWORKS Associate (CSWA)
- Lean Six Sigma Green Belt (LSS)

Skills:

- Software:
 - Abacus, Ansys, AutoCAD, CATIA, Creo, Fusion 360, SOLIDWORKS, Jira, Power BI, SQL, Tableau
- Operations and Systems:
 - Energy Efficient Optimization, Energy Management Systems (EMS), ERP Systems, Lean Six Sigma, MRP Systems, Renewable Energy Technologies (RET), Supply Chain Coordination



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