

Amina Patel

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SUMMARY

Dedicated Energy Engineer with over 5 years of experience in energy efficiency and renewable energy projects. Proven track record in optimizing energy systems and reducing costs through innovative engineering solutions.

EXPERIENCE

Energy Engineer

Jan 2022 - Present

Green Solutions Inc., Austin, TX

- Led a team to implement energy efficiency upgrades that reduced operational costs by 25%, saving \$150,000 annually.
- Designed and executed a solar panel installation project that increased renewable energy usage by 40% for a major client.
- Utilized energy modeling software (RETScreen) to assess and optimize energy consumption across multiple facilities.

Sustainability Consultant

Jun 2018 - Dec 2021

EcoTech Solutions, Dallas, TX

- Conducted energy audits that identified inefficiencies, leading to a 30% reduction in energy consumption for clients.
- Developed a comprehensive energy management plan for industrial clients that improved compliance with regulatory standards by 50%.
- Implemented building automation systems which reduced HVAC energy usage by 20%.

Junior Energy Analyst

Jul 2016 - May 2018

Energy Insights LLC, Houston, TX

- Assisted in developing energy simulation models that improved project forecasting accuracy by 15%.
- Collaborated on a project that successfully secured \$200,000 in funding for renewable energy initiatives.
- Analyzed energy consumption data to create reports that informed strategic decision-making for clients.

EDUCATION

Bachelor of Science in Energy Engineering

May 2018

University of Texas at Austin, Austin, TX • GPA: 3.7

SKILLS

Technical Skills: Energy Modeling, Sustainable Design, Data Analysis, Project Management

Tools & Frameworks: RETScreen, HOMER, AutoCAD, EnergyPlus