



Integrative Design Solutions Private Limited

172, Indraprastha Apartments, Pocket 3, Sector 12, Dwarka, New Delhi – 110075

Role in IDSPL: Energy Performance Analyst

Family name: Jasani

First name: Brijesh

Date of birth: October 22, 1997

Nationality: Indian

Place of Residence: Gujarat, India

Civil status: Single

Education:

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
National Institute of Technology, Calicut, Kerala [2019 to 2021]	M.Tech [Energy Engineering and Management]
Government Engineering College, Rajkot, Gujarat [2015 to 2019]	B.E. [Mechanical Engineering]

Key experience related to the project.

- Have executed energy performance analysis of commercial buildings including educational institutions, and offices for ECBC compliance and techno-commercial analysis for the implementation of energy conservation measures.
- Working on the implementation of Passive Cooling Solutions in Cambodia through national policy integration, knowledge products and market transformation support activities
- Identified urban heat island effect (UHIE) mitigation strategies and hot spots using GIS and Rhino/Grasshopper in Cambodia.
- Implementing data-driven methodologies, advanced data analysis techniques, building energy simulation, and energy analysis platform for Vega School, Gurugram.
- Demonstrated expertise in building energy efficiency, cost-benefit analysis, and sustainable construction practices during master thesis on “A retrofit approach to improving the energy efficiency of single-family home”.
- Executed ASHRAE level 1 and 2 Energy Audit for UNICEF building, New Delhi.

February 2023

Specific professional experience in the region:

Country	Date from - Date to
India	February 2021 to Present

Professional experience

Place	Date from - Date to	Role of Candidate	Details of the Project
Integrative Design Solutions Private Limited, New Delhi, India	December 2021 to Present	Energy Performance Analyst, Integrative Design Solutions Private Limited	<ul style="list-style-type: none">• Energy modelling and simulations• Conducted energy audits and assessments of commercial and residential buildings• Analyzed building energy consumption data using Python.• Developing and implementing energy management and conservation plans• Providing technical support to clients and stakeholders• Energy Audit and analysis for UNICEF India, Pacific Mall and Manipal University Jaipur
Institute of Environmental Sciences (IES) & Dpt. F.-A. Forel, University of Geneva, Geneva, Switzerland	September 2021 to November 2021	Intern	<ul style="list-style-type: none">• Conducted in-depth research on space cooling and heating in office buildings in Geneva.• Developed a data-driven tool for estimating annual and monthly energy use in office buildings, taking into account various external and internal parameters.• Utilized data analysis techniques and statistical methodologies to analyze big time-series data, under the guidance of Dr Martin Patel, Chair for energy efficiency at the Energy Efficiency lab - at the University of Geneva

Place	Date from - Date to	Role of Candidate	Details of the Project
Innovant and Inspired Living Solutions, New Delhi, India	February 2021 to August 2021	Energy Performance Analyst, Intern	<ul style="list-style-type: none"> Developed data-driven building analytics software. Provided input related to activities, construction, lighting, and HVAC is a time-consuming activity in EnergyPlus engine-based simulation software.

Language skills: Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
Hindi	1	1	3
Gujarati	1	1	1

Membership of professional bodies:

- Associate Member of ASHRAE (Membership No: 8455294)
- Indo-Swiss Building Energy Efficiency Program (BEEP) – 2019
- RACHNA: Innovative Construction Technologies & Thermal Comfort in Affordable Housing

Other skills:

Energy Simulation, Energy Efficiency, Data Analytics, HVAC, Python, Research, EnergyPlus, Excel, AutoCAD, PowerBI, Ladybug Tools

Present position: Energy Performance Analyst

Years within the firm: 1 Year 3 Months