

Gaurav Mehta

BEMP, LEED® AP BD+C

502 N 178th Ct, Shoreline, WA 98133.
(480) 241-2675 gmehta75@gmail.com

Professional Highlights

- Fifteen years of experience working with multidisciplinary building design teams.
- Well versed in sustainability/green rating systems such as LEED, Green Globes, and Living Building Challenge.
- Advanced understanding of Building Systems, Net-Zero Energy/Carbon Analysis, Calibrated Simulation, Natural Ventilation, Thermal Comfort, Daylighting and Computational Fluid Dynamics (CFD).
- Expert user of EnergyPlus/OpenStudio, IES-Virtual Environment, eQUEST, TRACE 700.
- Building Energy Modeling Professional (BEMP) and LEED® Accredited Professional BD+C.

Professional Experience

Senior Energy Analyst

[Aug.2018 onwards]

Sazan Group, Inc., Seattle, WA

- Lead building performance and sustainability scope, delegate tasks to other team members, and liaising with clients and internal teams to meet project goals and milestones.
- Developed and conducted American Institute of Architects (AIA) learning unit courses for several architectural firms on topics related to energy code, high performance design, and zero net carbon.
- Act as a mentor and train junior staff on sustainability/green rating systems, energy efficiency, HVAC systems, load calculations, and energy simulation by conducting internal lunch and learns.

Senior Sustainable Design Consultant

[Feb.2015 – Aug. 2018]

Affiliated Engineers, Inc., Seattle, WA

- Managed building performance scope and delegated tasks to other team members of several complex projects such as healthcare and laboratories and liaising with clients and internal teams to meet project goals and milestones.
- Devised scripts to automate inputs and extract outputs from simulation software that reduces time spent on projects by 20%.
- Mastered data visualization techniques using Excel and Python to communicate technical information to the stakeholders.
- Presented at several project team meetings, internal brown bag lunch and learns, company-wide team meetings and at local AIA chapter.
- Interpreted complex Seattle/Washington energy code requirements and helped in generating documentation for numerous projects to get successful permit applications with minimal or no review comments.

Sustainable Building Analyst

[Jul. 2009 – Feb. 2015]

Stantec Consulting, Seattle/Bellevue, WA

- Established relations and did marketing within Stantec to ensure financial success of the Sustainable Services team on the US West coast.
- Provided leadership and mentoring within a technical team environment.
- Developed and managed project scope, budget and act as a liaison between clients and staff.
- Provided design guidance, evaluated building and system design strategies, and energy and life cycle cost analysis for high performance and net-zero energy projects.

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Senior Project Energy Analyst

[Sep. 2008 – Jun. 2009]

Rushing, Seattle, WA

- Proposed and evaluated energy conservation measures through detailed energy analysis for projects seeking utility rebates, energy code compliance and pursuing LEED certification.

Sustainable Building Analyst

[May 2006 - Sep. 2008]

Stantec Consulting, Seattle, WA

- Conducted airflow and thermal comfort analyses to evaluate the performance of natural ventilation system design.
- Assisted projects achieve zero net site energy by evaluating passive design strategies.
- As a LEED reviewer on behalf of Green Building Certification Institute (GBCI) reviewed numerous LEED Energy & Atmosphere and Indoor Air Quality credits.

Education

Master of Science in Building Design

[Dec. 2005]

Arizona State University, Tempe, AZ

- Concentration: Energy Performance and Climate Responsive Architecture.

Five year Bachelor's Diploma in Architecture

[Oct. 2000]

TVB School of Habitat Studies, New Delhi, India

Publications & Presentations

- Presentation, (2017), Intelligent Buildings, AIA Seattle Chapter. Corporate Allied Partner Educational Series.
- Presentation, (2013), *Building Energy Modeling Using eQUEST*, ASHRAE Puget Sound Chapter, December Technical Advisory Committee Meeting.
- Presentation, (2008), *Understanding LEED EAc1*, Seattle LEED User Group Meeting.
- Mehta, G. (2007), *Appropriateness of Natural Ventilation for Thermal Comfort in Different Climatic Regions*, American Solar Energy Society, Solar 2007 Conference.

Affiliations

- Member, American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).
- Member, United States Green Building Council (USGBC).
- Affiliate Member, American Institute of Architects, Seattle Chapter.
- Licensed Architect in India- registered with Council of Architecture, India.

Skills

- OpenStudio/EnergyPlus Measures (scripting).
- IES-VE modules such as ApacheHVAC, SunCast, MacroFlo, MicroFlo
- Sketchup
- Revit, Building Information Modeling (BIM)
- Python
- Data Visualization
- Excel, Word and PowerPoint