

Graduate architect specialized in Sustainable Design, highly motivated to contribute in the field of green building technology through research, designing and consulting.

**EDUCATION****Master of Science in Sustainable Design**

Carnegie Mellon University, Pittsburgh, PA, USA

**August 2016**

GPA: 3.69/4

**Bachelor of Architecture**

Gujarat University, Gujarat, India

**June 2014****EXPERIENCE****Sustainability Intern at Project Management Consultants, India****Sept 2017 to Present**

Conducted research for eco-friendly materials and latest techniques to incorporate in the upcoming green building projects. Also, developed energy efficient design recommendations based on client briefs, collaborated with team in design process of the same.

**Community Design Associate at Design Center Pittsburgh, USA****May 2017 to Aug 2017**

Worked with local communities providing self sustaining solutions to the built environment issues through design as well as helping them understand the need of sustainable practices conducting workshops.

**Architectural Designer at V.P.Architectural Design L.L.C., USA****May 2017**

Voluntarily worked for designing a restaurant-banquet facility for an authentic Indian restaurant involving planning and interior design.

**Architectural Design Specialist/Store Planner at Dick's Sporting Goods Corporate Office, USA****Oct 2016 to May 2017**

Managed allotted stores' energy efficient designs, space allocations using Revit extensively and advising effective measures to encourage the concept of 'Reuse', helping to reduce wastage of existing materials on site.

**Graduate Research Assistant at Carnegie Mellon University, USA****Aug 2015 to Aug 2016**

Project: Thermal Mass Regimes: Geometrically actuated thermal flows

**Architect at Project Management Consultants, India****Nov 2014 to Jul 2015**

Managed responsibilities from preparing conceptual stage architectural proposals to final approval construction drawings using AutoCAD and Revit. Coordinated documentation and mailings for all project phases. Created graphical renderings using Revit and Sketchup. Collaborated with contractors to ensure specifications adherence as well as code compliance.

**Architect at Matai Associates, India****Jan 2014 to Oct 2014**

Collaborated with senior architects as a part of design team for different residential, commercial and educational projects. Also participated in a renovation project with extensive use of Revit software. Communicated with the site staff to follow up on the ongoing project implementation on site. Gained experience in interior design projects.

**SOFTWARE SKILLS**

AutoCAD, Revit, Sketchup, REM/Rate, DesignBuilder, EnergyPlus, eQuest, Microsoft Office, Adobe Photoshop, Indesign, Climate Consultant

**COURSEWORK**

Energy audits, LEED Rating system and other Green Building Certifications, Building Performance Modelling, Net Zero Energy Homes, Sustainable Community Development, Productivity-Health-Quality of buildings, Climate and Energy, Biomimetics in Design, Performance of Advanced Building Systems, Ecological Footprints, Architectural and Interior Designing, Urban Design, Project Management

**ACADEMIC PROJECTS****Synthesis Project | An Adaptive and Dynamic Design approach for Natural Conditioning of Offices in Hot Climates of India**

Developed a web based toolkit for office designers of hot climate by analyzing cases with a three tier approach of biomimetic, vernacular and modern inspiration and formulated passive conditioning recommendations as proof of concept.

**Building Performance Modelling | Scaife Hall | Revit CEA, eQuest, DesignBuilder, EnergyPlus**

Modified the existing building design to achieve around 30 % decrease in energy use by developing simulation models

**Net Zero Housing | Low Cost Net Zero Energy Renovation (URA Pittsburgh property) | REM/Rate**

Conducted cost effective retrofit analysis by exploring various alternative modifications resulting in 55% energy savings and pushing it to become a net zero house.

**Climate and Energy | Energy audit of a Pittsburgh residence**

Analyzed the existing construction and equipment of the building and made retrofit recommendations for energy efficiency and cost cutting.

**CONFERENCE PARTICIPATIONS AND AFFILIATIONS**

**Conferences / Seminars:** The Energy Week 2016, Carnegie Mellon University, Pittsburgh

The "Green Building Congress 2012" by Indian Green Building Council, Hyderabad

The 361 degree Conference, Mumbai ( Awarded "Special Mention" certificate)

Passive House at Home and around the World, Pittsburgh ( By Michael McCarthy - Passive House Academy )

2017 Community Development Summit, Pittsburgh ( By Pittsburgh Community Reinvestment Group )

**Affiliations:**

LEED Accredited Professional (Credential ID: 11102221-AP-BD+C)

Registered Architect with Council of Architecture, India