

# PRAGYA GUPTA

Architect - Sustainable Design  
COA Reg: CA/2015/67459

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## EDUCATION

August 2018 - Present

**Master of Science in Sustainable Design**  
School of Architecture, Carnegie Mellon University  
Fall QPA - 3.90

July 2013 - April 2015

**Master of Architecture**  
(Specialization: Sustainable Architecture)  
College of Architecture, Bharati Vidyapeeth  
Deemed University

June 2007 - April 2013

**Bachelor of Architecture**  
(Minor: Interior Design)  
Dr. Bhanuben Nanavati College of Architecture,  
University of Pune

## CERTIFICATIONS

2015-Present

**LEED AP Homes**  
LEED Green Associate  
Green Building Certification Institute

2014 - 2016

**GRIHA Certified Evaluator**  
GRIHA Certified Trainer  
Ministry of New and Renewable Energy,  
Government of India and The Energy Research  
Institute

## SOFTWARE SKILLS



REM/Rate



## WORK EXPERIENCE

September 2018 - Present

**Carnegie Mellon University**  
Research Assistant - Prof. Dana Cupkova  
Assisting Prof. Cupkova: Case studies on material  
and design - material research on porous ceramic  
mixes and 3D printing

December 2016 - April 2017

**College of Architecture, PES University**  
Assistant Professor  
Designed and taught courses with a 98% student  
approval rating on:  
- Design II  
- Introduction to Computers  
- Introduction to Product, Interaction and  
Communication Design

June 2015 - October 2016

**Pactive Sustainable Solutions**  
Energy and Green Building Consultant  
Green Building Consultancy:  
- Led project for IKEA, Dubai  
- Misterlight Warehouse, Dubai  
Led comprehensive energy management  
program for:  
- Landmark Group Headquarters, Dubai  
Savings of 30% through lighting redesign and  
HVAC re-commissioning  
- Villa in Meadows 8, Dubai  
- Laboratory for MARS chocolate factory, Dubai  
Assisted energy management program for:  
- Vista Tower, Dubai  
- 18% reduction was identified through HVAC  
recommissioning at Al Warsan Tower, Dubai  
Design UI and trained personnel for Building  
Management System:  
- JSS School, Dubai  
- GEMS Winchester School, Fujairah  
- GEMS First Point, Dubai  
Marketing and PR Management  
Business Development Activities

December 2014 - February 2015

**Sprout-Green**  
Intern - Green Building Consultant  
- Green Building Consultancy for two IGBC  
certification projects

February 2013 - April 2015

**Ink Design Co**  
Freelance Graphic Designer  
Successfully completed the following projects for  
print and online media:  
01/2016 Logo and Branding for Modi Group,  
Bengaluru  
12/2013 - 11/2014 Online and Print Marketing  
Collaterals for 91 Degree, Jaipur  
07/2014 Branding for Honeywell Automation Ltd.  
Factory, Pune  
02/2013 Conceptualized and Designed packaging  
of LED Products by Danson Group of Companies  
for their Sri Lankan and Indian Market

### Architectural Internships

Developed conceptual designs and architectural  
models during my internships. At Metaphors,  
supervised construction for an office building in  
Pune, India

June 2012 - November 2012

**Metaphors**  
Intern - Architect

December 2010 - June 2011

**Nivasarkar Design Associates**  
Intern - Architect

May 2010 - June 2010

**Mindspace Architects**  
Intern - Architect

## ACADEMIC PROJECTS

### Generative Facade Design Tool

Design Computation

I developed a tool to map environmental parameters  
and their interaction on facades to enable  
environmentally informed design

### Form based thermodynamics

MSSD Synthesis Prep

Using computational and simulation the project attempts  
to develop rammed earth form with enhanced thermal  
performance