

Passionate to make a positive impact on the environment. A quick learner, has the expertise to utilize up to date tools to enhance and optimize creative ideas. Brings a sense of leadership and ownership to team projects. I am seeking a position, which has an opportunity for continuous learning and growth.

Education & Credentials

M.S (Sustainable Design) **Carnegie Mellon University, Pittsburgh, PA** GPA: 3.76/4.00 August 2009
 B.S Architecture **CSIT- (affiliated to JNTU), Hyderabad** July 2006
Certification: Registered under Council of Architecture, India (Registration# CA/2006/38993)

Technical Proficiencies

- Energy Simulation : GBS, **eQUEST**, Energy Plus, **Design Builder**, **Energy Gauge**, **TREAT**, **EnergyPRO**
- Architecture Software : Auto CAD 2009, Revit Architecture, Sketch Up, 3d Studio Max, Archi CAD
- Other Software : Adobe InDesign & Illustrator, Microsoft Office, CorelDraw, Photoshop, GIS ArchView, CAFM

Professional Experience

- Founder and Managing Partner** **ESSOL**, Hyderabad India November 2011 – Present
- Conducted energy simulation of mid-sized commercial buildings and housing projects in eQuest and TREAT. Primary focus of energy simulation has been on existing buildings. Clients are based in US and India.
- Technical, Energy Project Manager** **EMG**, Hunt Valley, Baltimore (www.emgcorp.com) September 2010 – September 2011
- Energy auditing of multifamily housing, schools & commercial buildings. Proposed ECMs using energy modeling tools such as TREAT, eQuest, EnergyPRO. Contributed in report writing & lifecycle analysis.
- Research Assistant** **Carnegie Mellon University**, Pittsburgh October 2009 – August 2010
- Developing and designing the 'Smart Facade Design Support Tool'.
- Sustainable Consultant, Internship** City of Pittsburgh, Sustainable Office June 2009 – August 2009
- Site visits to city buildings, recording & analyzing solar data using Solar Path finder.
 - Involved with the RooSTER program associated with the Solar America Cities award. Working in conjunction with a TIGER team from Sandia National Laboratory.
- Junior Architect** Latha Kovelamudi & Associates, Hyderabad (INDIA) February 2006 – August 2007
- Coordinated and conducted meetings with clients, brainstormed initial ideas, developed spatial planning, technical & construction drawings for the development of **International School of Hyderabad** and several house designs.

Academic Projects

- Building Performance and Modeling: Fall 2008
- Performed a comparative critical energy analysis of a house using **GBS** and **eQUEST**. Conducted energy simulation of an existing commercial building using **Energy Plus**. Proposals for enhanced energy performance were contributed.
- Zero Energy House: Fall 2008
- Comprehensive studies on strategies to achieve 'zero energy' standards were explored. Proposed for retrofitting a house in Pittsburgh to zero energy standard house by utilizing Energy Gauge software, which was presented to the URA.
- Synthesis Project Spring 2009
- Proposed a zero energy house design for eventual entry into the 'Energy Free Home Challenge' competition.

Activities

- Article was selected and **published** in the FOCUS magazine. FOCUS is the faculty and staff newspaper of CMU.
- Team Leader for ANDC (Annual NASA Design Competition) Trophy during year 2004.

