

It is my observation that contributing to something that adds value to the society is the easiest way to stay happy.

 devang@outlook.in

 +91 9979389777

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 Vadodara, India

## Education

### M.E.B.D. | Masters in Environmental Building Design

University of Pennsylvania (Upenn), USA

Sep.12 - Aug. 13

GPA 3.73/4.00

- Sustainable Design
- Daylighting
- Energy Modelling
- CFD Simulation
- Performance Simulation
- Parametric Analysis
- Climate Analysis

### B.Arch. | Bachelor of Architecture

Faculty of Technology and Engineering, M.S. University of Baroda | India

Jul. 05 - Jul. 10

Gold Medalist  
with Distinction

## Certificates

### Revit Architecture 2015 Essentials - Certification of Completion

Lynda

May.16

### Project Management Simplified - Certification of Completion

Lynda

Nov.15

### IGBC Accredited Professional

IGBC | CII

Oct.15

### Data Analysis - Take it to the MAX()

Edx | Delft University of Technology

Jun.15

### LEED Green Associate

GBCI | USGBC

Oct.13

### Revit Architecture 2014 Essentials - Certification of Completion

Udemy

Oct.13

## Awards

### Gold Medal for Best Academic Performance

The Maharaja Sayajirao University of Baroda | India

Dec.10

### Gold Medal for Best Performance in Architectural Design

The Maharaja Sayajirao University of Baroda | India

Dec.10

### Gold Medal for Best Performance in Design Thesis

The Maharaja Sayajirao University of Baroda | India

Dec.10

### Award for Securing Highest Score in Civil Engineering Exam

The Institution of Engineers | India

Nov.10

### Award for Excellence in Architectural Studies

Pidilite Industries Limited | India

Nov.10



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Cont.

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## Work Experience

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### **Sr. Architect & Head of Projects**

**Mamta Shah & Associates | Vadodara, India**

**Jan.13 - Present**

[2Year 05 Months]

Mukhyamantri Gruh Yojana (Affordable Housing)

9845-179580 Sq.Mt.

- Master Planning to execution of Affordable Housing for the Govt. of Gujarat.
- Obtaining approvals from the Govt. representatives, PMC, Statutory authorities
- Management, Mentoring, and capacity building of junior staff
- Bid Presentations and Design Basis Reports (DBR)
- Execution drawing production and approval from PMC
- Submittal verification
- Coordination and Discrepancy resolution among architecture, structure & MEP
- Close coordination with the General Contractor for delay free project delivery
- Close coordination with following PMC consultants
  - Engineers India Limited (EIL)
  - SGS Pvt. Ltd.
  - Tata Consulting Engineers (TCE)
- Collaborated closely with seven different structure designers throughout the project
- Code Compliance, Bylaw Review and Coordination with Statutory Authorities

Mataria Lakefront Development, Bharuch, Gujarat  
Adani Foundation School  
OIDC Housing

24600 Sq.Mt.  
4800-19066 Sq.Mt.  
42800 Sq.Mt.

### **Architect**

**SamARCH Architects | Ahmedabad, India**

**Sep.10 - May.12**

[1Year 09 Months]

- ##### Supervision and leadership of a team of interns and technicians
- Design development for high-rise apartments and villas
  - Technical execution drawing and Technical 3D model development
  - Coordination for construction and query resolution

## Research

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### **Independent Researcher**

- Potential challenges in project delivery of an affordable housing project

**Mar.16 - Present**

[Group Paper]

### **Graduate Researcher**

University of Pennsylvania | USA

**Sept.12 - Aug.13**

- Quantification of Heat Gain/Loss from a Building Envelope
- "Sustainability" - A Business Paradigm
- Disparities between Design-Build and Design-Bid-Build

[Independent Paper]

[Group Paper]

[Independent Paper]



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## Tools & Skills

### Daylight Analysis

Autodesk Ecotect	● ● ● ● ●
Diva for Rhino	● ● ● ● ○
Diva for Grasshopper	● ● ● ● ○
Ladybug for Grasshopper	● ● ● ● ○

### Technical Drawing

AutoCAD	● ● ● ● ●
Revit Architecture	● ● ● ○ ○

### Energy Modeling

Design Builder - EnergyPlus	● ● ● ○ ○
eQuest	● ● ○ ○ ○
OpenStudio	● ○ ○ ○ ○

### 3D Modeling

Sketchup	● ● ● ● ●
Rhinoceros	● ● ● ○ ○
Grasshopper	● ● ● ● ●

### CFD

Ansys : Fluent	● ● ● ○ ○
AutoDesk Ecotect	● ● ○ ○ ○
IES	● ○ ○ ○ ○

### 2D Graphics

CorelDRAW	● ● ● ○ ○
Photoshop	● ● ○ ○ ○
InDesign	● ○ ○ ○ ○

### MS Office

Excel	● ● ● ● ●
Word	● ● ● ● ●
PowerPoint	● ● ● ● ○
Outlook	● ● ● ● ○
Project	● ○ ○ ○ ○

## References

**Mamta Shah** | [mamta@msain.com](mailto:mamta@msain.com)

CEO - Mamta Shah & Associates & MSA Project Management Consultants, Gujarat  
+91 9824016788

**U.K. Nair** | [ugnair@ccel.in](mailto:ugnair@ccel.in)

General Manager - Cube Construction Engineering Limited, Gujarat  
+91 8980803439

**Pranav Gandhi** | [pranav.gandhi@pmcpojects.com](mailto:pranav.gandhi@pmcpojects.com)

Project Architect - PMC Projects PVT. LTD. Adani Group of Companies, Gujarat  
+91 9638056601



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