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🔗 [www.cargocollective.com/domain](http://www.cargocollective.com/domain)

📍 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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## Work Experience

**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**  
**SamARCHArchitects | 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

**Independent Researcher**

**Mar.16 - Present**

- Potential challenges in project delivery of an affordable housing project

[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 ● ● ● ● ○

### Energy Modeling

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

### CFD

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

### MS Office

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

### Technical Drawing

AutoCAD ● ● ● ● ●  
 RevitArchitecture ● ● ● ○ ○

### 3D Modeling

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

### 2D Graphics

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

## References

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

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 +91 9824016788

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

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