

# Gadave Ruchita Shantinath

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Experienced Junior Structural Engineer with 2 years of work experience in the design of residential and public structures. To pursue a career in a company of repute to be able to fulfill the goals in life, which include professional excellence and value addition to the career through dedicated work, perseverance and teamwork.

## Technical Skills:

Staad Pro V8i SS6, Staad Pro connect edition, ETABS 2016, STAAD RCDC, SAFE, AutoCAD 2019, Panel plus, Bluebeam, MS- Word, Excel, PowerPoint

## Professional Experience:

**Company Name: Creations Engineers Pvt. Ltd., Pune.**

**Designation: Structural Design Intern** (1<sup>st</sup> August 2018 to 25<sup>th</sup> March 2020)

**Designation: Jr. Structural Engineer**

Duration: 1.5 years (1<sup>st</sup> June 2019 to 30<sup>th</sup> December 2020)

## List of major projects:

P + 7 Residential Building P+P+12 Residential Building P+10 Residential Building	<ul style="list-style-type: none"><li>• Modelling and analysis for lateral earthquake and wind loads using STAAD Pro, ETABS 2016 and design of column, footing, beams, slabs and shear walls by using RCDC software and as well as by manual calculations.</li><li>• Preparation of Schedule for Column, Footings, Beams, Slabs and Shear wall.</li><li>• Preparation of DBR.</li><li>• Provide support to drafting engineers for detailed drawing generation.</li></ul>
G+12 Night Shelter and Parking Building for a Hospital (Wing B) B+G+5 School Building	
G+3 Public Buildings, G+1 Public Buildings, Multipurpose Hall (B+G+1), Retaining Walls, UGWT, Conventional Steel building, PEB structures	

- Coordination and Interaction with clients.
- Reviewed Structural designs performed by Outsourced Engineering firms.

## Education:

Qualifications	School/College	Year of passing	Percentage/ CGPA
M.Tech (Structures)	Vellore Institute of Technology, Vellore	2019	8.74
B.E. (Civil)	A.I.S.S.M.S. COE, Pune (Pune University)	2016	65.56 (Avg.)
12 <sup>th</sup>	Bharat English School & Junior College, Pune (HSC)	2012	80.67
10 <sup>th</sup>	S.G.T. English Medium School, Pune (SSC)	2010	86.55

## **Academic Projects Undertaken:**

### **M.Tech Project:**

*Comparative Study of Seismic Performance of SMRF, Dual System and Shear Wall Dominating System.*

Company Name: Creations Engineers Pvt. Ltd., Pune.

**Synopsis** - The project focuses on comparison of seismic response of different RC lateral load resisting systems. P+10 RC building is selected and linear dynamic analysis is performed. The structural performance of each system is compared in terms of base shear, storey displacement, storey drift, time period and based on these results, it can be concluded that shear wall dominant system has boosted the structural performance compared to other systems.

### **B.E. Project:**

*Design of Pervious Concrete*

Company Name - Strong Tech Engineering Services (I) Pvt. Ltd., Pune.

**Synopsis** - Pervious Concrete is a mixture of cement, coarse aggregate, water and admixtures. The objective of this project was to develop pervious concrete having high permeability and optimum strength. It is an effective way to address environmental issues and support green and sustainable growth.

## **Academic Achievements:**

Paper Publication: Ruchita Gadave and Santhi A.S. (2019) "Comparative Study of Seismic Performance of SMRF, Dual system and Shear wall dominating system." *Journal of Emerging Technologies and Innovative Research*, Volume 6, Issue 3, 331-341.

## **Co-Curricular activities:**

- Participation in
  - 'Model Making' in "ENGINEERING TODAY 2014" Event at A.I.S.S.M.S. C.O.E., Pune
  - 'SCIENCE EXHIBITION 2014' at A.I.S.S.M.S. C.O.E., Pune.
- Student Member of Indian Concrete Institute (I.C.I.) (March 2014 – February 2015)
- Participation in 'Cold-Formed Steel Structural Design as per IS 801' workshop at V.I.T., Vellore.
- Paper Presentation at 'National Conference on Special Concrete'-2018 on 'Study of Pervious Concrete.'

## **Strengths:**

Hardworking, Quick learner, Ability to work independently and collaboratively, Positive attitude, committed towards my goal, Problem solving and organizational skills.

## **Personal Details:**

- Date of Birth: 23/10/1994
- Father's Name: Shantinath T. Gadave
- Languages known: English, Hindi, Marathi
- Address: Row House No. I/4 'Ganesh Residency', Ganesh Nagar, Dapodi, Pune-411012

**Date:** 24/1/2021