

# SANESH ATOLE



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Champaign, Illinois 61820

## EDUCATION

University of Illinois Urbana  
Champaign

Champaign, IL • Expected in  
12/2023

GPA - 3.3 (FIRST SEMESTER)

**Master of Science:** Civil Engineering

Dr. Vishwanath Karad MIT World  
Peace University

Pune • 07/2021

**Bachelor of Science:** Civil  
Engineering

**FINAL GPA** - 3.75

## SKILLS

- AutoCAD
- E-tabs
- SAP 2000
- RAM
- REVIT
- MATLAB

## PROFESSIONAL SUMMARY

A graduate student seeking a summer internship position in structural engineering to leverage acquired academic, and design knowledge to solve diverse problems. Motivated, self-directed Engineer Intern with exceptional verbal and written communication skills. Invests passion and commitment to achieve the corporate vision. Applies analytic methodology and the latest technology to lead change and tackle new projects and ideas.

## WORK HISTORY

**Vascon Engineers Ltd - Junior Structural-engineer**  
Pune • 08/2021 - 04/2022

### Project 1: Pac Mahila Battalion Gorakhpur

- Carried out complete analysis and design of the main structural elements of a 20-storey residential building including beams and columns in accordance with IS 456- 2000.
- Consulted with architects and clients to ensure the proper materials and layouts were being implemented to achieve safety, functionality, efficiency, and beauty.

### Project 2: Government medical college Kaushambi, India.

- Evaluated and designed infrastructure with applied engineering principles.
- Improve the overall cost of the project.
- Evaluated different schemes in order to reduce eccentricity between the center of mass and the center of rigidity.
- Worked with contractors to address deficiencies and design plans to rectify them

**Mothers Pride Infrastructure Private Limited - Structural Engineering Intern**

Lucknow • 01/2021 - 04/2021

### Project 1: Government medical college Gonda.

- Completed accurate engineering calculations for weights, loads and other metrics using both manual and digital methods.
- Reviewed calculations and analytical data to maintain the accuracy of technical reports.
- Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.

**Vascon Engineers Ltd - Site Intern**

Lucknow • 06/2018 - 07/2018

### Project 1: Kailash Enclave Vrindavan Yojana

- Worked with the site engineer for the Kailash Enclave project in Vrindavan Yojana to perform a qualitative analysis of the material.
- Assist Construction Manager in developing and updating project

## PROJECTS

### **Seismic Behavior of Reinforced concrete Frame With Masonry Infill Modeled as Diagonal Strut**

- Seismic analysis of RC frame buildings with masonry infill was considered
- In this study masonry infill walls were idealized as Equivalent Diagonal Strut Model in the software SAP2000.
- Nonlinear elastic behavior of masonry infill is considered & all the building models are analyzed as per the Seismic provision of IS 1893-2016.
- The parameters such as Base Shear, Distribution of Base Shear to Floor Levels, Story Drift, Fundamental Time Period, Member Forces, and Member Displacements have been studied using Non-Linear Elastic analysis for numerous buildings.

### **Designed a 14-storey reinforced concrete residential building**

- Analyzed two different formwork types for the performance in an earthquake event
- Studied two different options for the reinforced concrete superstructure.
- Determined that aluminum-based formwork is a more cost and time-effective method to form reinforced concrete structures as it reduces the amount of time by one-third.

## PUBLICATION

### **Comparative study of Residential building using Mivan formwork and conventional formwork and time and cost optimization using these technologies**

International Journal of Scientific & Engineering Research Volume 12, Issue 8, August-2021 1019 ISSN 2229-5518)

## ACHIEVEMENTS

- Winner of Vishwanath Sports meet 2018 Cricket Tournament.
- Winner of Kawre Cup inter-engineering cricket tournament 2018.
- 1st runner up Enthusia 2k18 inter engineering cricket tournament.
- Semi-finalist in a cricket tournament at MIT-WPU SUMMIT, A National Sports Event 2017.