



# PRATEEK DEWANGAN

SR. STRUCTURE DESIGN ENGINEER

BANSPAI PARA, BEHIND SHIV  
TEMP, WARD NO.38,  
RAJNANDGAON, Rajnandgaon,  
Chhattisgarh, 491441

11 January 1997

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## SKILLS

Software packages

STAAD Pro

MS office 365  
(EXCEL,  
WORD,  
POWERPOINT)

ETABS

AUTOCAD

ADDITIONAL  
COURSES  
(NPTEL)

Theory of  
Elasticity

Electronic  
Waste  
Management  
- Issues and  
Challenges

Geotechnical  
Engineering  
Laboratory

Dedicated and enthusiastic Structural Engineer. Able to handle and lead the project in any circumstances. Want to be part of the reputed organization for the continuous growth. Special interest in Steel and RCC design and Analysis.

## EDUCATION

Indian Institute of Technology, Roorkee	(01 July 2020 - 01 July 2022)	Bhilai Institute of Technology, Durg (Chhattisgarh)	(01 July 2015 - 31 July 2019)
Master of Technology, Structure Engineering	8.8	Bachelor of Technology, Civil Engineering	78.65%
J L M Gayatri Vidya Peeth, Rajnandgaon, Chhattisgarh (CBSE) Intermediate (Class XII), Science	(01 June 2014 - 31 May 2015)	J L M Gayatri Vidya Peeth, Rajnandgaon, Chhattisgarh (CBSE) Matriculate (Class X), Science	(01 April 2012 - 31 May 2013)
	85.6%		8.2

## WORK EXPERIENCE

L&T Energy - Hydrocarbon (Onshore) SR. Structural Design Engineer	(24 July 2022 - Present)	B&S Engineering Consultancy Pvt. Ltd. Structural Design Engineer Intern	(18 June 2021 - 18 September 2021)
Key Responsibilities		Key Responsibilities	
• Design of Pipe rack structure in STAAD Pro.		• Practicing Design and analysis of bridges.	
• Connection Design and check.		• Design of Deck slab.	
• Foundation Design using MAT3D software.		• Dimensioning of Cantilever retaining wall.	
• Complete Documentation.			
• Erection and Fabrication drawing check.			
• Involved in proposals and pre-bidding work.			
• 3 months On-site Sr. Engineer, Vishakhapatnam.			
Municipal Corporation Bhilai Summer Intern	(18 June 2018 - 18 July 2018)	Office of Executive Engineer PWD(B/R) Summer Intern	(18 June 2017 - 18 July 2017)
Key Responsibilities		Key Responsibilities	
• Site visit under-construction 66MLD Water treatment plant and Overhead tank.		• Site Visit of Govt. Medical College Rajnandgaon and understanding the structural drawing.	
• Understanding functioning of 77MLD Water treatment plant.			

## INTERESTS

### ARTIST

Drawing

Painting

### Cultural

Dance

Listening  
song

### SPORTS

Basket Ball

Chess

Table Tennis

## PROJECTS

ENHANCING BEARING CAPACITY OF SOIL  
BTech Project  
(01 September 2018 - 01 September 2019)

An attempt was made to improve the physical and engineering properties of soil and studied the effect of addition of foreign material in the soil.

Review of structural systems for tall buildings  
MTech Project  
(01 June 2021 - 01 June 2022)

The aim is to find the suitability of the structural system with an increase in height, parametric investigation of the Rigid frame, Wall-frame, and the braced frame structural system. The structural models are analyzed in ETABS software.

[https://icjonline.com/editionabstract\\_detail/112022](https://icjonline.com/editionabstract_detail/112022)

## PUBLICATIONS

Review of structural systems for tall buildings  
Indian Concrete Journal (ICJ)  
(01 November 2022)

Review of Rigid frame structure system, braced frame structure system and Wall frame structure system for different storeys structure under lateral loads.

## CERTIFICATIONS

IGBC Accredited Professional- Associate  
Indian Green Building Council  
Qualified the IGBC Accredited Professional (AP) - Associate Examination and 10 days online workshop.  
(01 June 2021)

AUTOCAD  
CAD Academy- Autodesk  
(14 January 2018)  
10 hours workshop at NIT, Raipur

MIDAS software training  
MIDAS  
Webinar on- PSC composite I girder bridge and Network tied arch bridge  
(28 June 2022)

## LANGUAGES

English	Hindi
Good	Good
Proficiency	Proficiency

## AWARDS

ART BEATS L&T- HR CORPORATE Runner up in ALL India L&T employee participation.	(18 March 2023)	YOUTH FESTIVAL CSVТУ University Secure 1st position in Inter Zone Engineering College Painting Competition.	(18 September 2017)
State Level Chess Player Chhattisgarh School Games Participated in the 13th State Level School Games 2013-14	(18 September 2013)	BUZZ in Town- The Talent Show Bhilai Institute of Technology, Durg Secured 1st position in the event Buzz in Town - The Talent Show (Cultural Fest OJAS'16). Made live painting of respected PM Narendra Modi in 6 min.	(18 February 2016)

## VOLUNTEER EXPERIENCE

Golden Butter ies Supportive Role Joy of Giving event conducted for Palliative Care Children.	(04 September 2022 - 06 September 2022)	L&T - Paint-A- thon Lead Leader in creating arts at Govt. Higher Secondary School	(06 June 2022 - 08 June 2022)
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