

ROHAN ABHAY KULKARNI
M.Tech (Structural), B.Eng. (Civil)
Design Engineer at J+W Consultants LLP
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SUMMARY

I, Rohan Kulkarni, Currently working as Design Engineer at J+W Consultants LLP. Previously I have worked as an Asst Design Engineer at Epicons Consultants Pvt Ltd and Trainee- Structural Engineer at Ramboll Group (Buildings division), both offices located in Mumbai. I have completed my M.Tech in Structural Engineering from Vellore Institute of technology (VIT) and B.Eng. (Civil) from University of Pune with first class and distinction respectively. I am thorough with concrete mix design, steel design and Reinforced concrete design etc. for both buildings and retaining structures. I have a particular interest in structural analysis focusing on the dynamic response of structures as well as seismic design of structures. I am very interested in the continued and improved use of both FE packages. In my bachelor's and Master's, I have successfully completed 4 projects which include both analytical and experimental work using FE Packages.

PROFESSIONAL EXPERIENCE

Current Employer-

1. J+W CONSULTANTS LLP PUNE

Pune head office, Division – Buildings (Design and Detailing Team)

Designation: Design Engineer

Line Manager: Mr. Nandkumar Patil (Associate) - 9822043912

Mr. Abhishek Mutkekar (Senior Engineer)- 08390991185

I Joined **J+W Consultants (Formerly Y.S.Sane Associates)** on 1st July 2017 as a Design Engineer in Buildings division.

Responsibilities:

1. Studying of Architectural drawings.
2. Studying preparing Structural framing plans.
3. Deciding of type of suitable foundation based on geotechnical soil report.
4. Preparing detailed analysis and designs.
5. Optimization of design, Detailing & drawing checking of following structural elements.
6. Maintaining design calculations and all relevant records according to ISO standards.
7. Preparations of HRC Report & DBRs
8. Checking the drawings, undertaking local and outstation site visits.
9. Attending meetings, coordination with architect, clients and contractors.

Former Employers-

1. EPICONS CONSULTANTS PVT LTD

Dadar Office, Division – Buildings Design

Designation: Assistant Design Engineer

Line Manager: Mr. Nitin Tongase (Design Manager) - 9619519001

Mr .Deep Bhanushali (Senior Engineer) - 9619069955

I joined Epicons at its Dadar Office on 30th May 2016 as an Assistant Design Engineer in buildings Division (High rise, RCC/steel)

2. RAMBOLL (INDIA) PVT LTD

Mumbai Office, Division –Buildings

Intern Structural Engineer

Line Manager: Mr. Shrirang Agrawal (Senior Engineer) Mob: 9819513022

1st August 2015 – 26th April (9 months)

I joined Ramboll on 1st Aug 2015 and worked as a Structural Engineering Intern at global Engineering and Design giant Ramboll at its Mumbai office in India. Ramboll is having varsity of projects across from the world. Working with the highly efficient team of Ramboll made me strengthen my RCC knowledge. Here I was involved in residential projects. I have dealt with softwares such as Staad Pro v8i, Etabs 15.1, SAFE and RCDC.

3. UNIVISION INFRASTRUCTURE PVT LTD

Engineering Intern

May 2013 - August2013 (4 months)

Univision Infra is leading concrete manufacturer in Pune area. This was an indeed great experience at working with Univision during my engineering days. Here I dealt with concrete mix designs, Ready mix concrete, Quality control engineering etc. Also, I got familiar with SCADA software which is used at RMC plant for making concrete mix.

QUALIFICATION

Vellore Institute of Technology University

M.Tech, Structural Engineering, 2014 - 2016

Grade: Distinction, GPA 8.34

Sinhgad Academy of Engineering, University of Pune

B.Eng., Civil Engineering, 2010 - 2014

Grade: First Class, 65.06%

ACADEMIC PROJECTS

1. Analytical Behavior of RCC beams with various rebar connections using ANSYS

August 2014 to December 2014

Study of serviceability conditions of rcc beams constructed with various rebar connections using ANSYS-Static Structural

2. Nonlinear dynamic analysis of concrete gravity dam under seismic loading using SAP2000

January 2015 to April 2015

Study of dynamic response of concrete gravity dam under seismic loading using CSI SAP2000

3. Experimental Flexural behavioral study of RCC beams with various rebar connections along with its economic feasibility

May 2013 to March 2014

This is my BE final year project. Detailed study of serviceability conditions when beams are constructed with various connections such as lapping and mechanical splices. The project was completely sponsored by Imperial Builtech Pvt Ltd, Pune.

4. Shape effects of dynamic wind induced response on high rise buildings in Mumbai using CFD analysis

August 2015 to Present

Comparative study of different types of RCC buildings possesses different shapes/aspect ratios under the effect of dynamic wind loading using ANSYS CFD Fluent.

5. Design of G+10 Earthquake resistant building

Jan 2013

This was the learning purpose project involving design calculations for shear wall as a lateral load resisting system. Project includes design of shear walls in G+10 building and seismic analysis was carried out for computation of seismic forces of multistory residential building by using Staad pro v8i.

LANGUAGES

English	(Full professional proficiency)
Hindi	(Native or bilingual proficiency)
Marathi	(Native or bilingual proficiency)

SKILLS & EXPERTIS

A. Design and modeling packages viz.

- 1. STAAD PRO V8i**
- 2. SAP 2000**
- 3. CSI ETABS**
- 4. CSI SAFE**
- 5. RCDC**
- 6. AUTOCAD**

Analysis and Design of RCC buildings ,Industrial trusses, steel structures, design of hydraulic structures, design of bridges, design of water tanks, design of high rise buildings, Finite element modeling, Non-linear dynamic analyses of buildings

B. ANSYS (Static Structural, CFD Fluent)

Finite element analysis of structural components such as beams, columns, slabs etc. CFD analysis of buildings

C. MATLAB

Basic matrix operations and solutions in matrix method of analysis

PERSONAL DETAIL

Permanent residential address:

Rohan Abhay Kulkarni
Behind Hotel Gazal,
Newasa road,
Tal.Shrirampur
Dist.Ahmednagar
413709

Current residential address:

Rohini N 602, DSK Vishwa
Sinhgad Road, Dhayari ,
Pune 411 041

DOB: 19/12/1992

Driving license: Yes

Nationality: Indian

M: 9762411793

rohankulkarni700@gmail.com

Declaration

I am confident of my ability to work in a team and co-ordinate well with other colleagues. I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Pune, Maharashtra

Sincerely,

Yours

Rohan

Kulkarni