**Lodhi**

**Civil-Structural Engineer**

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| **Career Objective** |

To achieve the success in my life by excellence in work, enhancing the knowledge with sincerity and hard work and to become an effectiveteam member, by accomplishing the task of an organization.

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| **Abridgement** |

* Accomplished Masters in Structural Engineering.
* Around **4 years** of total experience in construction industry.
* Ability to perform analysis and design of RCC structures in an optimized way for cost and strength keeping the architectural aesthetics.
* Design of RCC structure for **earthquake** and **wind resistant buildings.**
* Good understanding & visualization of architectural drawings.
* Proficient in modeling and analyzing RCC & steel framestructures using **Etabs, SAFE&Staad pro**.
* Efficient use of **AutoCAD** for drafting, planning and **detailing** of design.
* **Site experience**of RCC construction work.
* Good in**estimating**and **costing**of buildings.
* Experienced in execution and management of construction site.
* Teaching experience in engineering college for around 1.3 years.

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| **Personal Attributes** |

* Accuracy and attention to details.
* Good problem solving and analytical skills.
* Ability to work beyond round the clock.
* Calm but prompt working style.
* Strong logical and reasoning abilities.

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| **Professional Experience** |

* ***Icon consultancy, Aurangabad***

**Designation:** Structural design engineer (Aug 2012 to Feb 2014)

**Roles and Responsibilities:**

* Served as a structural design engineer for Icon consultancy, with responsibility of design of RCC structures for different projects using **Staad Pro** and **MS Excel** software.
* **Utilized AutoCAD** for detailing and scheduling the structural design. And MS Excel sheets for estimation of material quantity.
* Preparing the structural layout plans to represent the design of structures.
* Responsible for **reviewing** and **checking RCC work at site**as per the given design and solving unforeseen structural issues at site.
* Rechecking and issuing all designs observing IS codes.
* Designed and engineered **raft footing, flat slab, shear & retaining wall** apart from general structural elements.

**Key projects handled:**

* Residential Buildings projects for different clients like for Mr. Iqbal (Latur), Mr. Krishna, Mr. Zafar, Mr. Chandak, and many others are analyzed and designed manually and using Staad Pro, along with structural detailing, structural layouts and scheduling & section detailing of different elements.
* CIDCO Hospital: Analysis of this building in Staad Pro, Drafting and structural detailing.
* Dr. Malani, Anjum Park Commercial Buildings: Scheduling and preparing structural lay out plans along with cross sectional details.
* Kulkarni Hospital and Mutha Hospital: Structural analysis of hospital buildings having floatingcolumns in Etabs software.
* School building structural design for Al Irfan Residential School Khuldabad.
* Mosque Structure design for Jama Masjid Vakodi, Ulfat Masjid, Jafarabad Masjid etc.
* Site Visits to check and reassess the structural RCC work for Hotel Besen, Mr. Chotlani and many other under construction projects.
* ***Upright Associates, Nasik***

**Designation:** Structural Engineer,Project manager (Oct 2015to July 2016)

**Role and Responsibilities:**

* Served as leading **structural engineer** and **Project manager** for Upright Associates,
* Analysis and design of RCC buildings observing IS Codes, with the use of tools likestaad pro, **Etabs** and **SAFE**.
* Estimation of quantity of material required for projects, especially structural steel and concrete by usingMS Excel as a tool.
* Planning and elevation of residential and commercial buildings.
* Drafting of structural drawing and **detailing** of structural members in AutoCAD.
* Designed **floating/splayed column, shear wall and dome** in RCC other than regular structural elements.

**Key projects handled:**

* Design of JMCT Pharmacy College, hostel building and mosque building.
* Residential Apartment building’s RCC Structural Design and detailing for various residential projects like Fatima Tower, Novel Heights, Arbina Tower, Mr. Altaf and Mr. Khan (Igatpuri), Mr. Dinesh Kohlekar, Tirambak apartment. These buildings ware with **splayed and floating columns** as well as **Shear wall** design for lift duct. All of the above structures were analyzed considering the earthquake loads for that region.
* Bungalows Structural design for projects like Deluxe Sameer, Mr. AltafSayed, Mr. Chaudhary, Mr. Israr, Mr. SubhashBhagwaj etc.
* **Industrial Building** design for Mr. Husain in Nasik MIDC, with the consideration of vibrational load due to the industrial machines.
* Quantity estimation of material for Novel Heights, Cedar Heights etc.
* Rice Mill for Mr. Mohsin was designed along with pad footing and**retaining wall**.
* Design of **RCC dome** for a Mosque at Nasik city.
* Design and structural detailing for **steel truss frame** structure for Lilly White School.
* ***MIT, Aurangabad***

**Designation:** Assistant professor (July 2016 till the date)

**Role and Responsibilities:**

* Assisting the civil engineering department as an assistant professor at MIT College, Aurangabad (Maharashtra Institute of Technology).
* Deliver the lectures on subjectsDOS I (Design of steel structures), DOS II (Design of RCC structures), Prestressed Concrete, Earthquake Engineering and Professional Practice.
* Giving guidance to the B. Tech students on various topics for their academic projects like Optimum design of RCC structures, floating house, vertical rotary parking etc.
* ***Personal Projects (Parallel)***

**Role:** Planner, Quantity & Estimator, Structural designer, Construction Manager (Oct 2012 till date)

* Bungalows: Designed the structure, managed & executed the construction for Mr. Ramdas Bakle, Mr. Parwez, Mr. Ilyas Sir, Mr. Abdul Hameed, Mr. Mustamir Khan, Mr. Javed Khan (Nanded), Mr. Jafar (Rajisthan), Chetan Gunjal, Mahesh Rajput, Mr. Hanif (Nasik) and many other bungalows.
* Row Houses and Twin Bungalows: Designed the structure and supervised the construction of row houses for Soami Associates, AsgharPathan etc.
* Residential Apartments: Structural design of P+5 building for earthquake and wind resistant building for Mr Imran Patel. Commercial complex structural design for Mr. RaeesDeshmukh, FarooquiSahab, AleemSiddique and many others
* Design of new proposed structure for existing buildings as the extension work, calculating the strength of existing structure, for Mr. RafiqueShaikh, Mr. Anwarand, Mr. ManeshTapadia and many others.
* Design and analysis of Mukundwadi Railway Station, near Aurangabad, extension work.

\*Structural design and layout plans of the projects mentioned above can be shared on demand.

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| **Scholastics** |

* **Bachelor ofEngineering (Civil)**

B.E. Civil Engineering passed with **65.66%** (First Division) in August 2012 form Jawaharlal Nehru Engineering College(Dr. BabasahebAmbedkarMarathwada University), Aurangabad.

* **Master of Engineering (Structural Engineering)**

M.E. Structural Engineering passed with **7.188 CGPA** (First Division) in October 2015 from Government College of Engineering, Aurangabad.

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| **Certificate Courses** |

* Finite Element Analysis of Structures using ETABS and SAP2000 in March 2014.
* Software training certificate: Computer draft system (AutoCAD 2008) in Feb 2012.

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| **Workshop, Seminar & Papers Published** |

* Completed the Workshop on Limit State Design of Steel Structures organized by ISSE (Indian Society of Structural Engineers). In July 2013 at MIT College, Aurangabad.
* Published a paper on ‘Comparative Study of Wind Load Analysis of buildings of Various Shapes & Sizes as per IS: 875 (part 3) and ASCE 7-02 (American Society of Civil Engineers’. In Vol. 5, Issue 5, May 2015, International Journal of Emerging Technology and Advanced Engineering.

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| **Extra-Curricular Activity** |

* Active participation in drawing, painting and elocution competitions at school level.
* Participation in Football and Cricket at inter school matches and during graduation.
* Participated in UNESCO competition &tests at school level.

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| **Personal Dossier** |

**Name:** Lodhi

**Date of Birth:** December 6th, 1989

**Gender:** Male

**Marital Status:** Married

**Hobbies:** Reading books and newspapers, Playing soccer, Mountain climbing, social networking, drawingand painting etc.

**Passport Validity:** Up to 2026