



## EDUCATION

### Bachelor of Engineering in Mechanical

 August 2015 - May 2018


 Maharashtra Institute of Technology, Pune

### Diploma in Mechanical Engineering

 August 2012 - May 2015

 Government Polytechnic Nagpur

### SSC

 June 2012 - March 2012

 Bharat Mahila Vidyalaya, Nagpur



## EXPERIENCE

### Associate Engineer - MEP



 July 2018 - July 2020

 KATERRA Technology Services LLP Pune

### Profile Summary:

- Create 3D BIM models of plumbing system. Edit model based on instruction and markups.
- Preparation of plans, sections and schedule for documentation.
- Be familiar with the workflow in a Revit central model.
- Conversion of Revit models to other formats such as CAD, DWF & PDF.
- Run clash detection and prepare clash reports.
- Water supply demand, Drainage flow calculations (Fixture Unit method) using IPC, UPC and CPC.
- Gas pipe sizing calculation using IFGC code.
- Equipment selection like Booster pump, Electric water heater and Grease interceptor.
- Modeling Detailed Layout of plumbing in REVIT.
- Using Naviswork Clash detection and resolution of plumbing services with electrical and mechanical services.

### Project work

#### Tasman Station (City of California)

- Role: Modeler
- Responsibilities:
  - Creation of 2D Riser diagram for Sovent stack.
  - Underground piping of conventional and sovent drainage system.
  - Coordination of VTR with mechanical equipment.
  - Annotation and keynote addition for plumbing system.

# KHUSHALI DEULKAR

## ASSOCIATE ENGINEER



## CAREER OBJECTIVES

A mechanical engineering graduate who is seeking to find the opportunity to work in a fun and challenging working environment that will encourage her to improve and learn new and necessary skills as well as be motivated by the company to do her best for the sake of helping herself.



## CONTACT



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Dighori, Nagpur. 440009



## INTEREST



### Blueprint 58 (City of Georgia)

- Role: Design Engineer
- Responsibilities:
  - Sizing and fixture unit calculation of water and drainage system according to IPC.
  - Modeling the plumbing system in Revit in coordination with other trades.

### Country Club (City of California)

- Role: Modeler
- Responsibilities:
  - Reroute the piping of Clubhouse according to architecture changes.
  - Model cleanup

### Damonte Ranch SR (Parkway Reno, Nevada)

- Role: Modeler
- Responsibilities:
  - Modeling water supply system
  - Provide Sud relief zone to underground piping.

### Duckhorn, Iron point and Jefferson & Ivy(City of California)

- Role: Modeler
- Responsibilities:
  - Plumbing Clash Detection and Resolution with MEP services

### ESA Austin(Austin, Texas)

- Role: Modeler
- Responsibilities:
  - Creation of Plumbing Details.

### Valpico(Tracy)

- Role: Modeler
- Responsibilities:
  - Creation of 3D sanitary and vent risers.
  - Modeling sanitary system for units.

### Vue on 4th(Reno, Nevada)

- Role: Design engineer
- Responsibilities:
  - Selection of water heater.
  - Design and modeling of maintenance and trash room.

## Internship

 May 2017 - June 2017

 AUDI Pune



- Learned fault detection in four wheelers using ODIS software and its preventive maintenance.



## SKILLS AND ABILITIES

- BIM 360
- REVIT
- NAVISWORK (Basic)
- Bluebeam



## PERSONAL SKILLS

- Ability to work without the need of frequent supervision by other employees.
- Able to work harmoniously with other members of the team.
- Ability to successfully adapt and work under pressure.
- **Flexible**/adaptable to work cross-functional roles and Responsibilities.
- **Event Organizer** of Team JOSH in Katterra Technology.



## CERTIFICATIONS

- Expert Revit 2019 MEP (Beginner to Advance Level)
- Pipes and Valves- Basic Pipefitting Skills
- Certified in Revit: Detailing course on LinkedIn.
- Commercial Plumbing System Essentials
- Completed the training on Basic Fire Fighting & First Aid Conducted by EMSAFE



## DECLARATION

Being technically sound and enthusiastic I am confident that I can fulfill your esteemed organization's requirements. I wish and hope that I'll get the privilege of serving your organization. I hereby declare that all the above-mentioned details regarding me and my candidature are very much true to my knowledge.