

Mukul Kumar

BIM Engineer

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SUMMARY

- A dynamic professional with capability in managing MEP projects right from development to delivery encompassing planning, monitoring, controlling phases of project lifecycle, overall inter-discipline coordination, administration and resource planning.
- Worked on BIM projects and made drawings as per the standards.
- Proficient in swiftly completing up the projects with competent cross functional skills and ensuring on time deliverables with pre-set standard parameters.
- Good knowledge of Revit, AutoCAD, and HVAC design basics, MS word, Excel and PowerPoint.

CAREER OBJECTIVE

To work with a progressive organization with a dynamic and challenging environment to achieve the goals of organization with my best efforts.

SKILLS

Engineering, Leadership, Customer Service, Revit, AutoCAD, MS Word, Excel, PowerPoint, Project management.

EXPERIENCE

Freelancer

June 2017 - PRESENT

- Read the project drawings and other related documents to give the time estimate of the project.
- Creating the combined MEP Coordinated BIM Revit model.
- Detecting the clash of MEP services by coordinating and solving them.
- Developing detailed 2D drawings based on BIM models.
- Take out schedule quantities.
- Worked on mechanical BIM projects and made drawings as per the standards.
- Preliminary planning model based on Architectural drawings and markups.
- Communicating with the client to discuss requirements and red lines of the projects.
- Discuss with client regarding issues and progress.
- Worked on resolving major and minor issues
- Draft RFI's construction/design/fabrication/engineering issues to designers, contractors.
- Attend technical meeting with consultant/ main contractor/ project manager.

Axim Graphics and Designs

July 2016 – June 2017

- Modelling and coordination of MEP model.
- Reading the project drawings and other related documents.
- Creating the combined MEP model.
- Rectifying the doubts of the client.
- Assisting the senior engineer.

EDUCATION

Degree/Course	Institute/College	University/ Board	Percentage	Year of passing
B.Tech (Mech)	MIET, Meerut	Dr. A.P.J. Abdul Kalam Technical, University	63.10 %	2015
Intermediate	Godwin Public School, Meerut	CBSE	65.6 %	2010
High School	Army School, Meerut	CBSE	86.6 %	2008

PROJECTS

Residential condominium Projects- California, USA

March 2018 - June 2018

- Scope of work included Drainage Waste Vent system and Domestic water.
- Given inputs were the 3D schematic and general details for typical flats.
- BIM model was created for all plumbing services.
- Drainage Waste Vent system were interconnected which was different than the earlier projects.
- Client provided with a sample stack, according to which we had to make rest of the stacks on the floor plan.

Retail Store project- East Coast, USA

November 2017- January 2018

- Scope of work included all MEP services.
- We had to create the services using the AutoCAD and pdf drawings.
- Families like electrical fixtures, RTU etc were provided by the client.
- It was the renovation project. We had to design the services keeping in mind the existing remaining part of the store as the whole store was not demolished.
- Major part of the services was designed based on assumptions as data was missing from the client side.

Blue Crystal Apartment Project- Bangalore, India

June 2017- August 2017

- Scope of work included Coordinated BIM Model of MEP services.
- BIM model was created in Revit.
- The Building Services included: Domestic water Services, Sanitary / Drainage services, Fire Fighting, Electrical Containment & Lighting.
- We faced a challenge that the column was thicker at the bottom. Due to which all the services had to converge and go below to lower levels which was quite difficult in case of drainage.

St. Thomas Convent School Project- Bhopal, India

November 2016- February 2017

- Scope of work included Coordinated BIM model of all MEP services as well as Fire Fighting services.
- Revit model was created from the AutoCAD and pdf drawings given to us.
- Due to some space problems we had to make some adjustments in the BIM model. As per the drawings Upright sprinklers needed to be used but due to space problems we changed them to pendent sprinklers.
- Lots of revisions had been made in the BIM model due to much changes in the architectural drawings.

ACADEMIC ACCOLADES

- Bagged 2nd prize in Collage Making Event during academic session 2009-10
- Participated in the Cricket tournament at school level.
- Actively participated in Industrial Programme at Bharat Heavy Electrical Limited (BHEL), Ranipur, Haridwar for 30 days in 2014; learnt about general awareness of Steam Turbine Manufacturing.

PROFESSIONAL ENHANCEMENTS

- Combined Annual Training Camp during Academic Session 2008-09 and NCC B certificate holder.
- Vocational Training from Government institute “National Small Industrial Corporation”, Okhla, New Delhi in “Heating Ventilation and Air Conditioning, and Revit MEP” for 6 months.

HOBBIES

Playing cricket, exploring new gadgets, watching movies.

DECLARATION

I do hereby declare that the given information is true and complete as per my knowledge and belief.

MUKUL KUMAR