

MD NIYAZUDDIN
Mechanical Engineer (MEP BIM Modeler)



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Profile:

A skilled Mechanical Engineering graduate having 2+ years of experience in MEP BIM modelling, designing and scheduling. Also utilizing my skills in applying theoretical knowledge and analytical thinking into practical fields to aid the organization and personal career growth.

Education Qualifications:

Sr. No.	Examination passed	Year of passing	% of Marks	Remarks
1	Bachelor of Technology in Mechanical Engineering	May 2018	72.16	First Class with Distinction
2	Diploma in Mechanical Engineering	May 2015	81.99	Distinction
3	AP State Board of Secondary Education	May 2012	9.3GPA	Distinction

Professional Experience:

Organisation : ANDROBIM

Position : Mechanical BIM Engineer

Duration : April 2019 - Present

Projects:

- Jubilee Hills Villa project, Hyderabad
BIM Level of development 350
- Crown Plaza (B3+G+3 Floors), Dubai
BIM Level of development 350
- Indian Institute of Science and Education Research (IISER) Tirupati
BIM Level of development 350

Job Responsibilities:

- **BIM** modeling and detailing the HVAC, Plumbing, Firefighting and Electrical.
- Prepare project scheduling and planning
- Preparing **MEP clash report** and providing clash free coordination model

- Providing **plumbing plans** for both sanitary and water supply
- Designing **mechanical air system**, flow ducts, return ducts, routing preferences and adding mechanical equipment's.
- Designing of fire protection system, **FM200 system**, Water spray system and sprinkler design system
- Modeling 2D,3D drawings and template, **family creation**.
- Creation of **MEP Models** (Level of detailing) requirements
- Electrical designing and equipment placements.
- Proficient in **Autodesk Revit** and Naviswork.
- Ability to create **model animation view** and clash detection by Naviswork software
- Ability to create schedule of project time duration from start to end.

Engineering Project Work:

Project Title: HVAC System for Shopping mall using Air Cooled Chiller

Description: Design and calculation of air flow for a particular shop in a shopping mall by using BTU Meter.

Diploma Project Work:

Project Title: Proto Type of Stirling Engine with Coke Cans

Description: The main purpose of the project was to show the advantage of Sterling engine in which it as no expansion of atmosphere and it is rusticity.

Internship Training Details:

- **HVAC** certified training course from Innovative Institute (ISO 9001-2015)
- **MATLAB** certification from SKILL LYNC
- Worked as Apprentice/Trainee in **Defense Research and Development Laboratory (DRDO) Hyderabad** for 6 months in **Liquid propulsion division on compressor working quality QA/QC** of testing equipment's of rockets.
- Worked as Trainee in **ASTER BUILDING BLOCK** for HVAC system works.

Technical Skills:

- **Software:** AutoCAD, **REVIT**, **Naviswork**, Primavera P6, MATLAB
- **Mc QUAY** for Duct sizing & Pipe sizing
- Ability to read **Technical Drawings**
- **MS-Office** (Word, Excel)

Strengths:

- Good communication skills in English
- Results oriented and have the ability to plan, organize and prioritize for self and the team to meet deadlines.
- Self-starter with logical thinking and analytical approach
- Quick implementation on positive feedback
- Willingness to work under pressure & to learn new things

Achievements:

- Presented seminar on topic titled “Night vision of Automobiles” in the year 2018 and awarded Second prize.
- Second topper in Engineering
- Captain of cricket team from schooling to graduation
- Winner of several quiz and cultural competitions in college

Personal Details:

Marital Status : Single
Nationality : Indian
Languages known : English, Urdu, Telugu, Hindi
Date of Passport Expiry: 17/02/2026
Address : Hyderabad, India