

# THIYAGARAJAN G

## BIM Modeler - MEP

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Notice Period: 02 Months

## Summary

I am an experienced HVAC/ACMV Draftsman with over **09 years of experience** in creating detailed **Schematic drawing, detailed drawings & As-built drawing** using **AutoCAD and Revit Software**. I deliver high quality drawings for the projects and to keep updated with latest technology and development in construction industry.

## BIM Software Knowledge:

- |   |                      |
|---|----------------------|
| ▪ Revit                                 | - Intermediate Level |
| ▪ Navisworks Manage                     | - Intermediate Level |
| ▪ Autodesk Construction Cloud / BIM 360 | - Intermediate Level |
| ▪ Microsoft Office                      | - Expert Level       |
| ▪ Enscape (3D Render)                   | - Intermediate Level |
| ▪ AutoCAD                               | - Expert Level       |

## Technical Knowledge:

- |                         |                      |
|-------------------------|----------------------|
| ▪ Duct Sizing           | - Expert Level       |
| ▪ Pipe Size Calculation | - Intermediate Level |
| ▪ Equipment selection   | - Intermediate Level |
| ▪ Heat Load Calculation | - Basic Level        |

## Employment History:

### BIM Modeler – MEP

Innowell Engineering International Pvt. Ltd, Sivakasi

Feb 2023 – Present



### HVAC Draftsman

KM Aircon Pvt Ltd, Bangalore

Nov 2016 - Mar 2022



### HVAC CAD Draftsman & Site Engineer

TF Air System Pvt Ltd, Bangalore

Jun 2016 - Nov 2016



### HVAC CAD Draftsman Trainee

Jersey Engineering Solutions Pvt Ltd, Chennai

Dec 2015 - May 2016

## **Application Assistant**

Jersey Engineering Solutions Pvt Ltd, Chennai

May 2014 - Nov 2015

### **Innowell Roles & Responsibility**

- Preparation of Revit Model for **BIM MEP Mechanical (HVAC, Smoke Control, Fire Fighting, LPG, Water Supply, Drainage Services)** ensuring compliance BIM execution plans, standards, and project requirements.
- Create project Revit Mechanical template based on the **BIM execution plan**.
- Develop **Schematic (LOD 200) & Details Drawing (LOD300)** using Revit, AutoCAD & Navisworks.
- Collaborate with **designers** to meet project requirements.
- **Revise and update drawings** as per comments & instructions, ensuring all corrections are implemented.
- Maintain **drawing trackers, manage revision updates**, and ensure accuracy and timely delivery of project documents.
- Conduct clash detection using Navisworks & BIM 360 to ensure project quality.
- **Conduct quality control checks** to identify drafting errors and ensure BIM models comply with project standards & checklist.
- **Convert 2D drawings into accurate BIM models using Revit.**
- Maintain good rapport with team members and coordinate effectively to complete tasks within set timelines.
- Trained and mentored members in both software usage and technical skills within my current company.

### **KM Airon Roles & Responsibility**

- I verify and gather construction **floor measurements**, such as the height of the column capitals, slabs, and beams, in accordance with the GFC Drawing.
- I prepare **HVAC Shop Drawings** using **AutoCAD and Revit software**.
- I prepare **schedules** based on approved shop drawing.
- I extract duct & air terminal quantities and sizes from HVAC shop drawings.
- I obtain approval from the Consultant for HVAC Shop drawings.
- As directed by management, I perform **other duties related to billing and documentation**.
- **Based on Material Specification & Approved Manufacture list Place the order**
- I collect information from the site, implement it in the **as-built drawings**, and obtain approval from the client.
- I prepare handover documents with the help of the Engineer after finishing the project for handover.

**List of Projects:**

- HIVE Buildings - Apartment Project - Ras-Al-Khaimah
- NSHAMA P62 - Apartment Project – Dubai
- NSHAMA - The Baltimore - Apartment Project – Dubai
- BNW - Aqua Arc Residence - Apartment Project - Dubai
- EMAAR - Twin Tower (B0007) - Apartment Project - Dubai
- KAFD Basement (B1 to B5) Car Parks - Mall Project - KSA
- EMAAR - Address the Bay - Apartment Project - Dubai
- EMAAR - Mirage - Elvira Plot 8 - Apartment Project - Dubai
- McNab Avenue - Apartment Project - Australia
- Greystar Air & Water Schematic - Australia
- Kensington - Apartment Project -Australia

**Education:**

- P.A.C.R Polytechnic Collage, Rajapalayam  
Diploma in Mechanical Engineering (Refrigeration & Air-Conditioning)  
July 2011 – April 2024

**Languages:**

- English
- Telugu
- Tamil
- Kannda

**Personal Details:**

- Name - Thiagarajan Gurusamy
- Date of Birth - 07.06.1995
- Passport No - S4840000
- Gender - Male
- Nationality - Indian
- Marital Status - Single
- Address - 1/5 East Street, Kalingapatti -627719

**Place:**

**Date:** (THIYAGARAJAN G)