

M. JEYAVEL

BIM MODELER - PLUMBING & FIRE FIGHTING

CONTACT

✉ +91 8270960034,

✉ johnjeyavel2000@gmail.com,

🌐 [Portfolio link](#),

EDUCATION

B.E - MECHANICAL ENGINEERING

SMK Fomra Institute Of Technology,

CGPA : 7.52 / 10,

2017-2021.

TECHNICAL SKILLS

1. REVIT,
2. NAVIS,
3. REVIT DYNAMO ,
4. AUTOCAD (intermediate).

WORK HIGHLIGHTS :

1. BIM Modeler specializing in Revit automation using Dynamo and Python.
2. Experienced in developing custom Revit tools and add-ins, advanced parametric families, and workflow automation to improve efficiency and data accuracy.
3. Developed custom Dynamo add-ins that replicate key Di Roots features, enabling centralized access to commonly used Revit tools.
4. Automated bulk schedule data extraction and Excel export, reducing manual work and errors.
5. Created advanced parametric families with formula-based controls for flexible design changes.
6. Advanced parametric Revit family development.
7. Formula-driven families. Reusable, scalable, and performance-optimized families.

WORK EXPERIENCE

PRISM CONSULTING ENGINEERS - (29/02/2024 - TILL DATE)

POSITION : BIM Modeler

WORKING PROJECT :

- NOIDA INTERNATIONAL AIRPORT - JEWAR,
- HUBALI AIRPORT - KARNATAKA.

Roles and Responsibilities:

- Designed and modeled complex Plumbing and Fire Protection systems using Autodesk Revit and BIM 360 for commercial and residential projects.
- Modeled Water supply, Drainage, Vent, Rain water, Pump Rooms, and Fire suppression systems including piping, Sprinklers, and equipment layouts.
- Created and organized construction Drawing sheets for Plumbing and Firefighting systems using Autodesk Revit, adhering to project-specific standards and LOD requirements.
- Generated Floor plans, Sections, Isometric views, Detail View, Legends, and Equipment schedules with accurate Annotations and Dimensions.
- Handled drawing submissions including PDF/DWG exports and title block management, ensuring timely delivery through platforms like BIM 360.
- Performed Clash Detection and Coordination using Revit and Navisworks Manage to identify and resolve spatial conflicts between Plumbing, Firefighting, HVAC, Electrical and Structural systems.
- Created Scripts for Views Renaming, Element Filtering and Model Cleanup, reducing manual effort and minimizing errors.
- Developed detailed Clash Matrix to systematically track, categorize, and prioritize clash issues across Plumbing, Firefighting, and other MEP disciplines using Navisworks and Revit.
- Expert in analyzing and enhancing the Health Report of MEP models, ensuring Higher model quality, compliance, and reliability across plumbing, firefighting, HVAC, and electrical systems.
- Created Parametric and Scalable Families to enhance model accuracy and flexibility for various project requirements.