

# M. JEYAVEL

## BIM MODELER - PLUMBING & FIRE FIGHTING

### CONTACT

☎ +91 8270960034,  
✉ [johnjeyavel2000@gmail.com](mailto:johnjeyavel2000@gmail.com),  
🌐 [LinkedIn link](#),  
🌐 [GitHub link](#),  
🌐 [Portfolio link](#),  
📍 A202, Block A, Sector 15, Noida,  
Uttar Pradesh 201301.

### 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).

### KNOWN ADD-IN

1. REVIT PYTHON SHELL,
2. REVIT DI ROOT,
3. REVIT INTEROPERABILITY,
4. REVIT PRO SHEETS,
5. NAVIS CODIGEM.

### SPECIAL SKILLS

1. REVIT DYNAMO SCRIPT CREATION,
2. REVIT FAMILY CREATION,
3. REVIT MODEL HEALTH REPORT HANDLING,
4. REVIT MODEL FINAL CLEANING ,
5. NAVIS CLASH DETECTION & CLASH FREE,
6. MATRIX CREATION - (eg. CLASH MATRIX, HEALTH REPORT MATRIX, NWC MATRIX, etc... ).

### 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.