

# RAGHESH BABURAJ

Mechanical BIM Modeler / Draftsman

HVAC | Plumbing | Fire Fighting | Drainage

Visa Status: Transferable Iqama

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Riyadh, Saudi Arabia

## PROFILE SUMMARY

A professional BIM Modeler with 3 years of experience specializing in Revit and AutoCAD drafting, as well as BIM modelling. Skilled in creating precise 3D models and technical drawings, with a strong ability to collaborate across disciplines. Passionate about utilizing technology to improve design efficiency and project outcomes.

## WORK HISTORY

**Mechanical BIM Modeler / Draftsman**  
**Gulf Tech MEP Design Solutions LLP**

03/2022 – 03/2025 Kerala, India

A company specializing in MEP design solutions.

### Major Projects:

- G+2P+10+RF Residence Al satwa, Dubai
- 2B+G+M+20 Hotel, Plot No. 61070167/68 at Al Quassae, Qatar
- G+2P+6+RF Residential Building, Dubai
- 10 Storey Residential building at Adila, Bahrain
- G+P+12+RF Al Qusais, Dubai

- Specialized in designing and drafting shop drawings for HVAC, chilled water, drainage, water supply, and fire protection systems.
- Utilized Navisworks Manage for site data analysis and clash resolution.
- Configured efficient page setups in Revit and AutoCAD for printing processes.
- Created CTB files for plot style management in AutoCAD and set up central files for collaborative BIM workflow.
- Ensure models comply with project specifications, industry standards, and client requirements.
- Maintain compliance with industry codes such as ASHRAE, SMACNA, and local building regulations.
- Oversee MEP coordination for seamless integration of systems.
- Developed custom Revit families and performed precise calculations for MEP system designs.
- Produced section and elevation drawings to clarify shop drawings.
- Calculated duct sizes using McQuay Duct Sizer for HVAC design.

### Quality Assurance-Intern

**Verdant Telemetry & Antenna Systems, Kerala, India**

01/2022 - 02/2022 Kerala, India

A company focused on telemetry and antenna systems.

- Conducted incoming inspections of raw materials as per company standards.
- Verified Kits of Parts Inspection Report (KOP) and assisted in quality assurance processes.
- Collaborated with contractors and suppliers to maintain system quality.
- Creating Quality related document like Quality Assurance Procedure (QAP), Kits of Parts Inspection Report.

## EDUCATIONAL HISTORY

Bachelor's degree in mechanical engineering

**A.P.J Abdul Kalam Technological University, Kerala**

08/2017 - 06/2021 Kerala, India

## LANGUAGES

**English**  
Proficient ● ● ● ● ●

**Malayalam**  
Native ● ● ● ● ●

**Tamil**  
Proficient ● ● ● ● ●

**Hindi**  
Advanced ● ● ● ● ●

## SKILLS

**AutoCAD Revit MEP Drafting Navisworks**

**MS Office Tools SolidWorks 3D Modelling**

**Clash Detection HAP QA/QC Documentations**

## STRENGTHS

- Technical Expertise**  
Expert in Revit MEP and AutoCAD with strong technical skills in 3D modelling.
- Adaptability and Creativity**  
Flexible, adaptable, and creative with a strong focus on collaboration.
- Time Management and Analytical Skills**  
Demonstrates effective time management and logical analytical thinking.
- Networking**  
Possesses strong networking capabilities internally and externally.
- Positive Attitude**  
Confident with a positive attitude towards challenges and tasks.

## CERTIFICATION

Certified BIM Modeler

**Gulf Tech MEP Solutions LLP, Thrissur**

Certified SolidWorks Professional (CSWP)

**Dassault Systems**

## ACHIEVEMENTS

Got an opportunity to Participate in AS9100 Audit conducted by HAL and Thales.

## HOBBIES

- Traveling
- Photography
- Cycling
- Listening to Music

## REFERENCE

Mr. Lestin George

Managing Director

Gulf tech MEP Solutions LLP, Kerala, India

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