

Rajdeep Singh

BIM Specialist

Ahmedabad, Gujarat, India · +91 8126480787
singhrajdeep1304@gmail.com · linkedin.com/in/arrajdeepsingh

PORTFOLIO



TECHNICAL SKILLS

AI & AUTOMATION

Artificial Intelligence · BIM Automation · Revit API / C# plugins · AI Rendering · Point Cloud Processing

BIM & COORDINATION

Revit · Navisworks Manage · BIM 360 / ACC · ReCap · AutoCAD · Clash Detection · Scan-to-BIM

STANDARDS & DATA

COBie · BEP · LOD 300–400 · Family Creation · Uniclass 2015 · NRM 1 · IFC · Quantity Takeoffs

3D & PRESENTATION

Rhino · SketchUp · Lumion · Twinmotion · Photoshop · Illustrator · InDesign

STRENGTHS

Problem-solving · Leadership · Mentoring · Adaptability · Creativity · Teamwork · Communication · Responsibility

EDUCATION

Bachelor of Architecture

Bhagwan Mahavir College of Architecture
2018–2023

BIM Professional Program —

A+

Novatr · capstone: Enzyme Tower, Hong Kong
2023

RECOGNITION

Persistent Pursuit Award

Tesla Outsourcing Services · Jul 2024

LANGUAGES

English — Professional
Hindi — Native

PROFILE

Revit add-ins, parametric families and structured data — for teams that need the model to be right, not just to look right.

BIM Specialist with a background in architecture, delivering high-precision BIM across commercial, residential and infrastructure projects — and building the automation that removes the repetitive work.

2 yrs 9 mos · Tesla Outsourcing Services · Ahmedabad, India

EXPERIENCE

Senior BIM Specialist

JAN 2026 – PRESENT · Tesla Outsourcing Services · current

- BIM production across architectural, structural and infrastructure projects for international clients
- Custom Revit plugins built with AI-assisted development (C# / Revit API)
- An AI rendering workflow turning basic Revit views into photorealistic images in minutes
- Led R&D and mentored the team — the person colleagues bring workflow problems to

Senior BIM Associate

JAN 2025 – JAN 2026 · Tesla Outsourcing Services · 1 yr 1 mo

- Detailed models delivered clash-free, with accurate and efficient documentation
- Technical delivery paired with a problem-solving approach to workflow efficiency
- Pushed BIM forward through automation, better workflows and smarter collaboration

BIM Architect

DEC 2023 – JAN 2025 · Tesla Outsourcing Services · 1 yr 2 mos

- Scan-to-BIM delivery with Autodesk ReCap and Revit at LOD 300–400, across commercial, residential and heritage projects
- Complex custom Revit families, including parametric and manufacturer-specific components
- PDF and 2D CAD converted to detailed models using point-cloud references
- Model coordination and clash detection in Navisworks Manage; COBie data, scheduling and quantity takeoffs

IN-HOUSE TOOLS BUILT

APP

Work-Management Platform — In-house app to assign and track work, manage daily tasks and monitor progress across every project.

PLUGIN

Point Cloud → Floor — Cuts a 3–5 hour manual modelling task to 2–5 minutes.

PLUGIN

Topography Generator — Builds terrain surfaces directly from point cloud data.

PLUGIN

Model-in-Place → Family — Automates a tedious manual conversion into loadable families.

PLUGIN

Sheet Spell-Checker — Scans an entire model's sheets for text errors in one pass.

AI

AI Rendering Workflow — Turns basic Revit views into realistic images using AI image tools.