ROHIT KUMAR

BIM LEAD | DIGITAL CONSTRUCTION | BIM COORDINATION | REVIT | NAVISWORKS

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PROFESSIONAL SUMMARY

Results-oriented BIM and Design Professional with 8+ years of experience in Engineering Design, Structural Steel Detailing, BIM Coordination, Scan-to-BIM, Industrial Infrastructure Projects, and multidisciplinary project execution. Experienced in delivering complex engineering and BIM projects using Revit, Navisworks, AutoCAD, and industry-standard workflows.

Possess strong expertise in Structural BIM Modeling, Steel Structure Detailing, Grating Systems, Construction Documentation, Shop Drawings, Fabrication Drawings, Clash Detection, Quantity Take-Offs, and BIM Coordination. Proven ability to manage projects from concept through execution while maintaining quality, accuracy, and project timelines.

CORE COMPETENCIES

- 3D BIM Modeling
- 4D Construction Sequencing
- 5D Quantity & Cost Integration
- 6D Asset Information Management Exposure
- Revit Architecture & Structure
- Structural BIM Modeling
- Scan-to-BIM Workflows
- Point Cloud Processing
- BIM Coordination & Collaboration
- Navisworks Clash Detection
- Structural Steel Detailing
- Grating Design & Detailing
- Shop & Fabrication Drawings
- Construction Documentation
- Quantity Take-Offs (QTO)
- Project Coordination & Design Review

TECHNICAL SKILLS

BIM & Engineering Software	Autodesk Revit, Navisworks Manage, AutoCAD, Autodesk ReCap, BIM 360, Dynamo, IFC Workflows
Mechanical & Design Software	SolidWorks, CATIA, Siemens NX, Inventor, BricsCAD
Graphics & Presentation Tools	Adobe Photoshop, Adobe Illustrator, CorelDRAW, Canva

AI TOOLS & DIGITAL PROFICIENCY

- ChatGPT & Claude AI: BIM data processing, Revit export reformatting (MTO/BOQ), technical documentation, client reports.
- Gemini & Grok: Quick technical research, content review, and drafting support for project communication.
- Canva AI: Designing client-facing presentations, portfolio decks, and visual project reports.
- Manus: Task automation support for repetitive documentation and workflow tasks.

PROFESSIONAL EXPERIENCE

BIM Lead | *REPL, Noida*

September 2023 – Present

Responsibilities:

- Leading and managing the BIM team, overseeing 3D modelers across Architecture, Structural, and MEP disciplines.
- Establishing and enforcing BIM standards, modeling protocols, and BIM Execution Plans (BEP) across projects.
- Driving BIM implementation strategy, model coordination, and clash detection workflows across disciplines.
- Reviewing and validating models and drawings to ensure compliance with client and project standards.
- Coordinating BIM deliverables with clients, consultants, and stakeholders on government and private sector projects.
- Mentoring and training junior engineers and modelers to strengthen technical capability within the team.
- Monitoring project schedules, BIM documentation requirements, and overall coordination quality.

Key Achievements:

- Successfully led BIM delivery for multiple infrastructure and development projects.
- Improved BIM coordination workflows and standardized modeling protocols across teams.
- Strengthened team capability through mentoring, improving model quality and turnaround time.

Senior Design Engineer | *Cellcom Teleservices Pvt. Ltd.* *April 2021 – September 2023*

Responsibilities:

- Led structural steel detailing and engineering documentation for industrial and infrastructure projects.
- Prepared General Arrangement (GA), Shop, Fabrication, and Erection Drawings.
- Designed and detailed steel structures, platforms, walkways, stair towers, ladders, handrails, and grating systems.
- Developed structural 3D models and coordinated layouts for fabrication and site execution.
- Performed quantity estimation, Material Take-Off (MTO), and Bill of Material (BOM) preparation.
- Coordinated with fabrication teams, project managers, site engineers, and clients.
- Conducted drawing reviews and quality checks to ensure compliance with project requirements.
- Supported BIM-based project coordination and documentation workflows.

Key Achievements:

- Successfully delivered multiple structural steel and industrial projects.
- Improved drawing accuracy and reduced project revision cycles.
- Consistently achieved project milestones within committed timelines.

Key Projects:

- HPCL Rajasthan Refinery Limited (HRRL), Barmer
- HPCL-Mittal Energy Limited (HMEL), Bathinda
- Larsen & Toubro (L&T) Projects

Senior Design Engineer | *Wattmonk Technologies, Delhi* *July 2019 – April 2021*

Responsibilities:

- Worked on international engineering and construction projects.
- Reviewed engineering drawings and technical documentation.
- Managed drawing submissions and client approval processes.
- Coordinated project deliverables and maintained documentation quality.
- Ensured compliance with client standards and project specifications.

Key Achievements:

- Successfully handled multiple US-based projects.
- Maintained high documentation accuracy and quality standards.
- Achieved consistent on-time project delivery.

CAD Trainer | *CADD Centre, Ghaziabad* *2016*

Responsibilities:

- Delivered professional training on AutoCAD, SolidWorks, CATIA, NX, and related engineering software.
- Developed technical training programs and practical workshops.
- Trained engineering students and industry professionals.
- Conducted software implementation and industry-oriented training sessions.

MAJOR BIM & ENGINEERING PROJECTS

- NBCC Residential Development Project: BIM Modeling and multidisciplinary coordination.
- Koraput Academic & Hostel Project: Architectural and Structural BIM development and documentation.
- DVPL Noida Project: BIM coordination, modeling, and project documentation.
- Ujjain Development Project: BIM coordination and drawing management.
- HPCL Rajasthan Refinery Limited (HRRL): Structural steel detailing and engineering support.

- HPCL-Mittal Energy Limited (HMEL): Structural steel design documentation and project coordination.
- Larsen & Toubro (L&T): Engineering documentation and design coordination support.
- ArcelorMittal, Canada: Scan-to-BIM (LOD 350) modeling and documentation for industrial facility.
- Delhi Highway Border Elevated Road Bridge: Scan-to-BIM modeling and coordination.
- Dubai Steel Plant Warehouse: Scan-to-BIM modeling and documentation.

BIM STANDARDS, CODES & INDUSTRY PRACTICES

BIM Standards: ISO 19650 Series, BIM Execution Plan (BEP), Common Data Environment (CDE), IFC (Industry Foundation Classes), COBie Information Management, BIM Level 2 Workflows, 3D, 4D, 5D & 6D BIM Methodologies.

BIM Coordination Practices: Clash Detection & Resolution, Scan-to-BIM Workflows, Point Cloud to BIM Modeling, Model Validation & Quality Assurance, Interdisciplinary Coordination (Architecture, Structure & MEP), Construction Documentation & Drawing Extraction.

Structural & Industrial Standards: IS 800 – General Construction in Steel, IS 875 – Design Loads for Buildings and Structures, IS 2062 – Structural Steel Material Specifications, IS 808 – Structural Steel Sections, AISC Standards, ASTM Standards, AWS Welding Standards.

ACHIEVEMENTS

- Awarded Employee of the Month multiple times for outstanding project performance.
- Appreciated for completing projects ahead of schedule.
- Recognized for process improvement initiatives and engineering excellence.
- Successfully delivered industrial, infrastructure, refinery, and BIM projects.

EDUCATION

Bachelor of Technology (B.Tech) – Mechanical Engineering

Manav Bharti University, Solan, Himachal Pradesh

Higher Secondary (Science)

Ghaziabad, Uttar Pradesh

ADDITIONAL INFORMATION

Current Location: Ghaziabad, Uttar Pradesh

Notice Period: 30 Days

Preferred Roles: BIM Manager, BIM Lead, BIM Coordinator

Languages: Hindi, English