

PRAVIN YADAV

BIM SPECIALIST | STRUCTURAL ENGINEER

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[LinkedIn](#) | [Portfolio](#)

SUMMARY

BIM Specialist with expertise in BIM Implementation & Management, Structural Modeling & Analysis, Computational Design, and Automation. Proficient in Revit API, Dynamo, Grasshopper, and PyRevit extensions, streamlining workflows and enhancing collaboration across multidisciplinary teams. Passionate about Research & Development, Power BI integration, and process automation, with a commitment to improving efficiency and innovation in the AEC industry.

EXPERIENCE

BIM SPECIALIST - STRUCTURAL ENGINEER

Dar Al-Handasah | Pune, India | 06/2024 - Present

- Leading BIM Implementation & Management for structural projects.
- Developing automation tools using Dynamo, Python, and PyRevit extensions, reducing manual effort by 30%.
- Collaborating with architects, engineers, and consultants for seamless project coordination.
- Conducting training sessions for teams on advanced BIM workflows and software applications.
- Engaging in Research & Development to optimize BIM processes and enhance industry best practices.

BIM ENGINEER

Dar Al-Handasah | Pune, India | 08/2023 - 06/2024

- Created and managed BIM models for structural projects using Revit, Navisworks, and BIM interoperability tools.
- Ensured quality control in BIM execution and adherence to industry standards.
- Automated repetitive tasks, improving efficiency by 25% through Dynamo scripting and PyRevit.
- Coordinated with various disciplines to resolve design conflicts and enhance efficiency.

CIVIL ENGINEER (Intern)

SSA Architects | Pune, India | 08/2021 - 12/2021

- Assisted in drafting, 3D modeling, and project coordination.
 - Contributed to structural and architectural documentation.
 - Gained insights into project management and client communication.
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EDUCATION

Bachelor of Engineering in Civil Engineering

Sinhgad Institute of Technology and Science | 2017 - 2022 | GPA: 7.84/10

SKILLS

BIM & Automation

- Autodesk Revit, Navisworks, Dynamo, Rhino, Grasshopper, PyRevit
- BIM Interoperability & Data Management
- Revit API & Scripting (Python)
- Power BI for BIM Data Visualization

Structural Engineering & Analysis

- Coordination & Clash Detection
- Design Validation & Optimization

Software & Visualization

- Twinmotion, Lumion, Adobe InDesign, Microsoft Office
 - Cloud Collaboration & Common Data Environment (CDE)
 - Speckle, Autodesk Construction Cloud
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CERTIFICATIONS & TRAINING

- Autodesk Revit Certified Professional – from Novatr
 - Autodesk Navisworks Certified Professional – from Novatr
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STRENGTHS

- Advanced BIM Workflow Automation
 - Problem-Solving & Analytical Thinking
 - Collaboration & Multidisciplinary Coordination
 - Training & Knowledge Sharing
 - Continuous Learning & Research-Oriented Mindset
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LANGUAGES

- Marathi (Native)
- Hindi
- English