

# DHRUVKUMAR PATEL

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## PROFESSIONAL SUMMARY

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Civil Engineer with 3+ years of hands-on construction site experience and a Postgraduate Certificate in Building Information Modeling (BIM) from Algonquin College, Ottawa. Proficient in Revit, Navisworks, BIM 360, Synchro 4D, Revizto, Reality Capture, ReCap, AutoCAD, and Bluebeam. Experienced in 3D and 4D BIM modeling, clash detection, model coordination, and construction documentation. Combines strong field knowledge with digital modeling skills to bridge design and construction effectively.

## CORE COMPETENCIES

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- BIM Modeling (Revit – Architectural and Structural)
- Clash Detection and Model Coordination (Navisworks)
- 4D Construction Simulation (Synchro 4D)
- Cloud-Based BIM Collaboration (BIM 360)
- Reality Capture and Point Cloud Processing (ReCap)
- 3D Laser Scanning and As-Built Modeling (Revizto)
- LOD Modeling and Model Management
- Blueprint and Drawing Interpretation
- Construction Documentation and Reporting
- QA/QC Inspections
- Quantity Take-Offs
- Site Supervision and Field Operations
- Subcontractor and Trade Coordination
- AutoCAD
- Bluebeam
- MS Project

## RELEVANT EXPERIENCE

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### Civil Engineer | Lalji Buildcon | India

Jan 2024 – Apr 2024

- Applied BIM tools including Revit and Navisworks to cross-reference architectural and structural drawings against site conditions
- Supervised site operations on a high-rise project, coordinating trades and subcontractors to maintain schedule and quality
- Conducted QA/QC inspections and enforced quality standards, identifying and resolving site issues efficiently
- Managed site documentation including daily reports, RFIs, change orders, submittals, and progress records
- Communicated with clients, consultants, and suppliers to coordinate and resolve technical site issues

### Junior Civil Engineer | Kauni Buildcon | India

Nov 2020 – Dec 2023

- Read and interpreted blueprints and technical drawings to guide construction crews and verify work against design intent
- Managed multi-phase construction activities and ensured compliance with specifications and quality standards
- Performed quantity take-offs and material planning to support accurate procurement and scheduling
- Maintained daily site reports, progress logs, and inspection records for full project documentation

## ADDITIONAL EXPERIENCE

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**Store Associate** | Walmart Canada | Ottawa, ON

*Jun 2025 – Present*

- Maintained workplace safety standards and contributed to smooth daily operations in a high-volume team environment

**Store Associate** | Dollarama | Ottawa, ON

*Sep 2024 – May 2025*

- Supported inventory control and team coordination in a fast-paced retail environment

## EDUCATION

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**Postgraduate Certificate – Building Information Modeling (BIM)** | Algonquin College, Ottawa, ON

GPA: 3.93 / 4.0

*Sep 2024 – Apr 2026*

**Bachelor of Civil Engineering** | Gujarat Technological University, India

CGPA: 8.54 / 10.0

*Aug 2017 – Sep 2020*

**Diploma in Civil Engineering** | Gujarat Technological University, India

CGPA: 8.96 / 10.0

*Aug 2014 – May 2017*

## PROJECTS

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**Digital BIM Model – Algonquin ACCE Building | BIM Program Project**

- Developed a complete BIM model of the Algonquin ACCE building using Revit, incorporating architectural and structural systems
- Performed clash detection and resolution using Navisworks, coordinating conflicts between mechanical, structural, and architectural elements
- Created a 4D construction simulation using Synchro 4D to visualize and communicate the full build sequence step by step
- Used BIM 360 for cloud-based model collaboration and coordination with project team members

**Ceramic Waste in Concrete | Bachelor's Research Project**

- Tested and evaluated concrete mixes using ceramic waste as a sustainable, low-cost substitute for conventional construction materials

**AAC Blocks Study – Green Construction | Diploma Project**

- Analyzed thermal performance of AAC blocks versus conventional concrete blocks to evaluate energy efficiency in building construction

## CERTIFICATIONS

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- Standard First Aid CPR C + AED – Canadian Red Cross (Expires: Aug 2027)