

# KISHOR POUDEL

**MS Candidate**, Kathmandu, Nepal

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## Summary

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Civil engineer with **over 5 years of professional experience** in structural engineering and construction management. Proficient in **structural design of RC, Steel, Masonry (Brick, Stone, Rammed Earth) and Timber** with actively involved in **research-orientated design projects (Bamboo)**. With Strong understanding and awareness of national/international design codes and skilled in some numerical modeling software. Experienced in working with private sectors, government bodies, NGO and INGO.

## Education

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Bachelor in Civil Engineering

Thapathali Campus, Institute of Engineering, Tribhuvan University, Nepal | 2015 – 2019

- Awarded by **Full Merit-Based Scholarship**

## Professional Experience

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Pro Eth Pvt. Ltd., Lalitpur, Nepal

October 2019 – Present

**Roles: Trainee Engineer → Junior Site Engineer → Civil Design Engineer → Assistant Structural Engineer**

### Key Responsibilities:

- Conceptual planning, perform structural analysis and design of structures
- Prepare structural reports, construction drawings, and municipal approval documents
- Supervise construction sites for quality assurance and compliance to design standards
- Verify rate analysis, cost estimation of prepared bills for various projects
- Co-ordinate with contractors, clients, and local government bodies for smooth execution of projects
- Conduct training programs related to theories of structures and numerical simulation for trainee engineers
- Provide skill enhancement programs for Site Engineers and Masons on earthquake resistant construction practices

## Some Major Completed/Involved Projects:

### Role: Assistant Structural Engineer

- Structural assessment of a house for low-cost housing, Bara for Lumanti Support Group for Shelter **[Bamboo]**
- Structural analysis and design of school building, Shree Kalika Basic School, Makawanpur for Rammed Earth Solutions **[Rammed Earth, Steel]**
- Structural analysis and design of ECD building, Durga Bal Bikas Kendra, Kathmandu for M/s Shechen Karuna **[Rammed Earth, Steel]**
- Structural design of 4 Storied + Basement Vedansh Memorial Children and Allied Hospital, Lumbini for D Sketchbook Pvt. Ltd. **[Reinforced Concrete]**
- Structural design of 3 Storied + Basement Honda Showroom, Kathmandu for SNB interior and Architects Pvt. Ltd. **[Reinforced Concrete]**
- Structural design of a National Training Centre (sports-covered hall steel), Kathmandu for Shanta Consultants/ Karma Consultants Pvt. Ltd. **[Steel]**

### Role: Civil Design Engineer

- Structural design of a syanth ghar, Makawanpur for A. Not Architecture N. Architects Pvt. Ltd. **[Rammed Earth, Bamboo]**
- Structural design of Club Volcano, Kathmandu for Avtech Company Pvt. Ltd. **[Steel]**
- Seismic vulnerability assessment and retrofit design of a residential masonry building, Lalitpur for Mr. Paul Gut and Mrs. Mana Thapa **[Brick Masonry, Timber]**
- Independent assessment and validation of restoration works: quality, efficiency, and maintenance strategies for Aphno Ghar Project **[Stone Masonry, Timber]**
- Structural analysis and design of Museum and School, Dolpa for Department of Urban Development and Building Construction (DUDBC) on behalf of A. Not Architecture N. Architects Pvt. Ltd. **[Stone Masonry, Timber]**
- Structural design of Bardibas Medical College Infrastructure Construction Development Project (BMCIDP), Mahottari for Building Design Authority (P) Ltd. **[Reinforced Concrete]**
- Structural analysis and design of Manavsewa Ashram, Lamjung for Gaatha **[Rammed Earth, Steel]**
- Structural design of 12-story office building of Nepal Electricity Authority, Lalitpur for Building Design Authority (P) Ltd. **[Reinforced Concrete]**

### Role: Junior Site Engineer

- Structural site supervision of Aarus Life Style Hospital (Diabetes, Thyroid & Endocrinology Care Centre), Lalitpur **[Reinforced Concrete, Steel]**
- Structural site supervision of Residential Building in Chitwan, Bhaktapur, and Kathmandu **[Reinforced Concrete, Brick Masonry]**

### Role: Trainee Engineer

- Structural Drafting of various Residential and Commercial Buildings in Kathmandu, Chitwan, Jhapa and other Cities **[Reinforced Concrete, Steel, Rammed Earth]**

## Technical Skills

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- Structural Analysis & Design: **SAP2000, ETABS, SAFE, CSI Column, ABAQUS, IDEA StatiCa**
- Non-Destructive Testing: **Direct Shear, Flat Jack, Pulse Velocity, Mortar Penetrometer, Schmidt Hammer, Concrete Core Cutting and Rebar Scanning**
- Drafting: **AutoCAD**
- 3D Visualization: **SketchUp**
- Programming: **Python**
- Office Tools: **MS Word, MS Excel**
- Codes: In depth knowledge of **Nepal National Building Code, Indian Standards** and familiarity with **American & European Standards**

## Training

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- Advanced Training on Nonlinear Static Analysis for Seismic Performance of Buildings [Pro Eth Pvt. Ltd.]
- Advanced Training on Nonlinear Time History Analysis for Seismic Design of Structures [Pro Eth Pvt. Ltd.]
- ABAQUS and Finite Element Modeling of structures [Avtech Company Pvt. Ltd.]
- Technical Training for Engineers on Seismic Strengthening and Earthquake Resistant Construction of Buildings [NSET]
- Microsoft Office Specialist Certification Training [Microsoft Innovation Central Nepal]
- Quality Assurance Best Practices in Construction [USAID]
- Achieving Environmental Sustainability in Construction [USAID]

## Languages

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- English [Proficient]
- Nepali [Native]
- Hindi [Intermediate]

## Membership

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- Registered Engineer, Nepal Engineering Council [NEC]
- General Member, Nepal Engineers' Association [NEA]

## References

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- Dr. Er. Bharat Pradhan, Managing Director, Pro Eth Pvt. Ltd., Nepal  
Email: [bharat.pradhan@proeth.com.np](mailto:bharat.pradhan@proeth.com.np)
- Dr. Er. Bhesh Kumar Karki, Faculty Member, Thapathali Campus, Tribhuvan University, Nepal  
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