

# SAKAR SUBEDI

Bachelor of Civil Engineering

Kathmandu, Nepal

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## PROFILE SUMMARY

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Motivated civil engineering graduate specializing in **structural and seismic engineering**, with strong experience in **RCC building analysis, steel connection behavior, and FEM-based modeling**. Proficient in **ETABS, SAFE, IDEA StatiCa, and AutoCAD**, supported by academic research and national-level technical competition achievements.

## EDUCATION

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### Bachelor of Civil Engineering

Thapathali Campus, Institute of Engineering (IOE), Tribhuvan University

+2 Science

Golden Gate International College, Kathmandu

## TECHNICAL SKILLS

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### Structural & RCC Design

- RCC building modelling and seismic analysis using ETABS
- Foundation design and verification using SAFE

### Steel Structures

- Steel beam-column connection analysis using IDEA StatiCa
- Rigid vs semi-rigid joint behavior, stiffness and ductility assessment

### Drafting & Visualization

- AutoCAD (plans, sections, elevations)
- SketchUp (3D modeling), D5 Render (realistic rendering)

### Tools

- ETABS, SAFE, IDEA StatiCa, MS Excel, PowerPoint

## ACADEMIC PROJECTS

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- Seismic performance analysis of beam-column joints in steel frames using FEM
- Comparative study of rigid and semi-rigid steel connections using ETABS and IDEA StatiCa
- RCC building modelling, seismic analysis, and foundation design (ETABS + SAFE)

## SURVEY & FIELD TRAINING

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- 10-day Survey Camp: traversing, leveling, contour mapping
- Prepared complete topographic map from field data

## ACHIEVEMENTS

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- 3rd Position – AutoCAD Competition, Pulchowk Campus
- 2nd Position – AutoCAD Design Competition, Thapathali Campus (two events)
- 1st Position – AutoCAD Design Competition, Kathmandu University

## INTERESTS

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Structural engineering, seismic design, steel connections, FEM analysis