Ar. Rajay Bajracharya

NEC License No. 91178 | M.Sc. Urban Planning (Running), IOE Pulchowk Campus
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PROFESSIONAL EXPERIENCE

Construction Engineering Technician – Assistant
June 2025 – Present

UNOPS Nepal – Cities4Women Programme

- Design and development of public open spaces, including preparation of architectural drawings, 3D visualizations, and urban design layouts.
- Lead designer for **Samjhana Baal Udhaan Children's Park**, Tilottama — directly responsible for design concept through to construction drawings.
- Prepared architectural visualizations for **Hetauda Children's Park** (Huprachaur & Bhutandevi) in Hetauda Municipality.
- Assisted in preparation of urban profiles, maps, and project reports in support of gender-inclusive urban planning processes.
- Supported stakeholder consultations and field surveys on public open space accessibility for women and girls.
- Contributed to Cities4Women International Urban Design Competition magazine layout and design.
- Maintained construction material records; ensured quality standards and timely delivery across project sites.`

Architect
August 2024 – June 2025

Mr & Mrs M.L. Kayastha Pvt. Ltd.

- Prepared construction drawings and interior visualizations for **Himalayan Bank, New Road Branch**.
- Developed conceptual drawings, project proposals, BIM documentation, and cinematic video walkthroughs.
- Led design and team coordination for **Nepal School Project** All-Nepal Design Competition.
- Conducted site supervision and multidisciplinary consultant coordination.

Graphics Designer
November 2023 – May 2024

Connections Nepal Pvt. Ltd.

- Lead designer for the organization's flagship magazine — layout, storyboarding, illustrations, and infographics.
- Designed training materials for the Menstrual Health & Hygiene (WASH) project; content used in field workshops.
- Produced media outreach posters and infomercials using Photoshop, InDesign, and D5 Render.

Remote Architect
February 2023 – September 2023

Chhinamasta Spatial Solution Pvt. Ltd.

- Prepared 3D models, visualizations, and 2D CAD drawings for municipal-level projects.
- Drafted Land Use Planning drawings for Barju Gaun-Palika.

Architectural Intern
February 2022 – October 2022

Three Dots Architects Pvt. Ltd.

- Completed full design cycle for 'Courtyard Nadipur' (commercial hub, Pokhara) and 'Busy Bee' (restaurant, Thamel) — concept to municipal drawings.
- Contributed to Nagarkot Villa masterplan illustration under principal architect.

RESEARCH & ACADEMIC WORK

Purpose of different size of overhang in traditional Newari architecture — Research in Progress
Rhino and Ladybird based environmental simulation analyzing solar shading dynamics across a multi-case sample of traditional residential and temple structures.

3D Close-Range Photogrammetry Applications in Nepal — Research in Progress
Survey-based study on photogrammetric documentation of Newari architectural heritage elements, with field data collected in Kathmandu Valley. KoboToolbox data collection instrument developed.

Thesis: Innovation Centre — An Incubator for Creative Startups at Pulchowk Campus
B.Arch thesis project exploring adaptive reuse and campus-based innovation ecosystem design, IOE Pulchowk Campus, 2024.

EDUCATION

M.Sc. Urban Planning *2025 – 2027 (Running)*
IOE Pulchowk Campus, Tribhuvan University

Bachelor of Architecture (B.Arch) *2019 – 2024 | First Division (75.64%)*
IOE Pulchowk Campus, Tribhuvan University

+2 Science *2016 – 2018 | 3.19 CGPA (B+)*
St. Xavier's College, Maitighar

TECHNICAL SKILLS

GIS & Spatial Analysis: QGIS, spatial data visualization
Adobe Suite: Photoshop, Illustrator, InDesign (In-depth)
BIM & CAD: Revit (Intermediate–Advanced), AutoCAD
3D Modelling & Visualization: SketchUp, Blender, Rhino (Beginner), Lumion, Enscape, D5 Render
Data & Research Tools: R (ggplot2, spatial analysis), KoboToolbox, MS Office Suite, Google Suite
Languages: Nepali (Native), English (Professional)

LICENSES & CERTIFICATIONS

NEC Registered Architect | License No. 91178
Member, Society of Nepalese Architects (SONA)
Driving License — Class A (Motorcycle)

TEACHING & TRAINING

- Revit Instructor, Sagarmatha Engineering College (2026 – Present)
- Revit Instructor (Beginner to Intermediate), IOE Faculty of Science & Technology (FSU), 2024
- Photoshop Instructor (Intermediate Level), FSU 2024
- Kit-Bashing Photoshop Crash Course — delivered to 15 Rotaract clubs, District 3292, 2024
- Teaching Assistant, Revit Orientation, Himalaya College of Engineering, 2023
- Workshop Facilitator — Photoshop & Enscape Visualization, ASA Pulchowk Campus, 2022–2023

AWARDS & DESIGN COMPETITIONS

- Kaleidoscope (Asian Paints Architecture Students Award) — 2nd Runner Up, 2024
- SONA Dhangadi Toilet Design Competition — Top 5 Selection
- Winner, KU Bus Stand Design Competition, 2022
- Nepal School Project All-Nepal Design Competition, 2025
- International competitions: The Badami Museum (The Drawing Board), ArcAsia Design Competition, 2023

VOLUNTEERING & COMMUNITY LEADERSHIP

- Zonal Rotaract Representative, District 3292 (RY 2026–27)
- Grant Project Lead, Environment Sustainability Rotary Action Group (ESRAG), 2025
- President, Rotaract Club of Sukedhara (RY 2024–25)
- District Rotaract Blood Donation Chair, District 3292 (RY 2025–26)
- Lead, Menstrual Health Workshop & WASH Training at Shree Hira Devi School, Sindhupalchowk (2025) — **UGRAM Award** recipient, Rotary International
- Managing Editor, VAASTU 14th Edition (IOE Architecture Magazine), 2024