

# Kritika

## Urban Planner and Architect

📞 (+91) 7895057353 | ✉️ [kritika.pui23187@cept.ac.in](mailto:kritika.pui23187@cept.ac.in)

🏠 Dehradun, Uttarakhand

🌐 **LinkedIn:** <https://www.linkedin.com/in/kritika-26/>

📁 **Portfolio:** <https://portfolio.cept.ac.in/student/kritika-pui23187>



### PROFFESIONAL SUMMARY

Architect and urban planner with 3+ years of experience managing high-impact projects including the Kedarnath Redevelopment initiative. Specialized in data-driven urban planning with expertise in climate resilience and urban heat island modelling. Currently pursuing a Master's in Urban Planning at CEPT University. Seeking to leverage technical expertise and analytical skills to develop sustainable urban infrastructure solutions that enhance climate resilience in rapidly developing urban environments.

### EDUCATION

#### **Master of Urban Planning (2023- 2025) \* Currently Pursuing**

CEPT University | Sem I G.P.A. – 3.20/5.00 | Sem II G.P.A. – 3.80/5.00 | Sem III G.P.A. – 3.50/5.00

#### **Bachelor of Architecture (2015-2020)**

Graphic Era Hill University | C. G. P. A. – 8.42 / 10.00

#### **Board – 12th (2015)**

DAV Public School | Percentage – 71%

### PROFFESIONAL EXPERIENCE

#### **INI Design Studio, Dehradun | Architect (Nov 2021 - Jul 2023)**

Led the Kedarnath Redevelopment Masterplan, managing a team to deliver construction drawings, schematic designs, and infrastructure plans. Developed project reports and presentations for Vibrant Villages Programme across border villages of Uttarakhand (Munsiyari, Jageshwar, Hanol), addressing needs of remote communities while managing client expectations and project timelines.

#### **ULDS (Urban & Landscape Design Studio), Bangalore | Landscape Architect - Remote (Aug 2021 - Oct 2021)**

Prepared detailed landscape drawings for residential projects, integrating sustainable water management solutions that reduced irrigation requirements while enhancing aesthetic appeal.

#### **La 'Voeux, Kurukshetra | Junior Architect (Jun 2020 - Jan 2021)**

Independently executed detailed construction, landscape, and interior drawings for residential projects across Haryana and Chandigarh, focusing on sustainable design principles.

### RESEARCH PROJECTS

#### **Urban Heat Island Modelling and Mitigation Strategies (Jan 2024 - Present)**

*Directed Research Project, CEPT University*

The aim is quantifying urban heat island effects in Ahmedabad using high-resolution spatial modelling to address the gaps in the analysis of Heat Action Plans. Integrated land use data, climate variables, and anthropogenic heat sources to develop thermal distribution maps and mitigation recommendations. Applied GIS and remote sensing techniques to assess temperature variations and identify heat-prone areas. Exploring to propose data-driven urban planning strategies to reduce heat-related health risks. Findings aim at informing sustainable urban development initiatives. The study is still in progress.

## Town and Country Planning Organisation, MoHUA, Delhi | *Summer Intern* (Jun 2024 - Jul 2024)

Analyzed urban infrastructure investments in satellite towns under the JNNURM scheme, focusing on water supply, sewage, and waste management systems. Conducted analytical reviews of 5 City Development Plans and coordinated with diverse stakeholders to recommend cost-effective infrastructure solutions.

### PRIME ACADEMIC PROJECTS

- **Wastewater – The New Black Gold, Ahmedabad**  
Analyzed urban growth patterns through Night-time Light Data in Ahmedabad using Python and satellite imagery. Proposed integration of wastewater reuse systems into T.P. Schemes through dual reticulation infrastructure and developed credit-based incentive models for circular water economy.
- **Water Security for Vulnerable Communities of Rajkot**  
Evaluated water security challenges in slum communities and initiatives taken by RMC, conducting stakeholder analysis with government officials, community leaders, and NGOs. Proposed scalable long-term community-led water credit system to address intermittent water supply issues.
- **Unraveling Panjarapol – Urban Morphology Study**  
Conducted analysis of built form, infrastructure, and socio-economic factors in Ahmedabad's Panjarapol area, mapping urban transformations showing how urban transformations impact living conditions, property values, and sustainability.

### TECHNICAL SKILLS

- **Design & Visualization:** AutoCAD, Adobe InDesign, Photoshop, SketchUp
- **Data Analysis & GIS:** ArcGIS/ArcMap, QGIS, Python for spatial analysis, Remote sensing, Climate Modelling
- **Project Management:** MS Office Suite, Stakeholder coordination, Documentation

### ACADEMIC ACHIEVEMENTS

**Merit Scholarship** – Awarded 50% tuition reduction at CEPT University (2023)  
**Special Presentation** – "The Perfect Match" startup concept for construction waste management at Mussoorie Dehradun Development Authority (2020)  
**Publication** – "Socio-economic impact on green to grey Dehradun" in International Journal of Urban Design (2018)  
**Conference Volunteering** – Global South Academic Conclave on WASH and Climate Linkages (2024 & 2025)  
**Member of the Outreach Team** - Master's in Urban Infrastructure, CEPT (2023-25)

### PROFESSIONAL SKILLS

Leadership & Team Management • Stakeholder Coordination • Data-driven Analysis • Climate Resilience Planning • Gender-responsive Design • Detail-oriented Problem Solving • Visual and Oral Presentation

### PERSONAL DETAILS

English (Fluent) | Hindi (Native)  
Nationality: INDIAN

### DECLARATION

I hereby declare that the above-mentioned details in this resume are true, complete and correct to the best of my knowledge and belief.

**PLACE:** Ahmedabad, Gujarat

(Kritika)