GAIBUL BHULLAR

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Education

MSc in Spatial Development and Infrastructure Systems - ETH Zurich :Grade: 5.18/6 Sept. 2026
Bachelor of Planning - School of Planning and Architecture, Delhi :CGPA: 8.28 June 2024

Skills

Research Methods: Qualitative interviews, Walking interviews, Stakeholder interviews, Survey design, Policy analysis, Literature review, Correlation & regression analysis
Spatial & Data Analysis: QGIS, ArcGIS, R, Python, Spatial statistics, Raster analysis, NDVI, LST
Planning & Visualisation: AutoCAD, SketchUp, Adobe Suite, Unity 3D
Research Tools: Microsoft Office, LaTeX, Zotero, Mendeley, RMarkdown
Languages: English (Native), Hindi (Native), Punjabi (Native), Japanese (N4), German (A2)

Experience

Professional Experience

Research Assistant Intern at Future Cities Laboratory, Singapore ETH Centre (3 months)
- Mapped and analysed survey-based spatial datasets from Zurich and Singapore using QGIS and R to examine relationships between public space, social interaction and well-being.
- Conducted literature reviews and quantitative analysis for research on urban vitality, emotional connection and social interaction.
- Supported academic writing, research visualisation and preparation of outputs for publication.

Urban Planning Intern at Department of Town and Country Planning, Nahan (6 weeks)
- Contributed to the preparation of Development Plans for Nahan and Dhaula Kuan Majra towns.
- Conducted field surveys, stakeholder interviews, land use mapping, and infrastructure inventory.
- Assisted in drafting zoning regulations, land suitability analysis, and layout proposals.

Intern, Consulting and Valuations at CBRE, Mumbai (6 weeks)
- Conducted market research on hospitality sector trends across Tier I and Tier II cities.
- Supported the creation of a hospitality real estate evaluation dataset for valuation benchmarking.

Research and Academic Projects

Master's Thesis – Migrant Belonging and the Experience of Public Space in Zurich (5.75/6 Grade)
- Investigated how everyday neighbourhood and public-space experiences shape migrants' sense of home and belonging.
- Conducted walking and semi-structured interviews, spatial route documentation and contextual observation in two Zurich neighbourhoods.
- Examined how routines, social encounters and neighbourhood conditions shape familiarity, comfort and belonging, with implications for inclusive urban planning.

Bachelor's Thesis – Revitalising Decaying Rental Housing in Mumbai
- Analysed the socio-spatial consequences of rent control and deteriorating housing in Mumbai using policy review, household surveys and stakeholder interviews.
- Proposed reforms such as housing vouchers, PPP-based redevelopment, and phased decontrol.
- Emphasised inclusive regeneration, informed by lessons from slum rehabilitation and global precedents.

Interdisciplinary Planning Activity (IPA) – Sisslerfeld, Canton of Aargau (ETH Zürich)
- Conducted environmental and climate-resilience analysis including flood risk, ecological corridors, cold-air corridors and protected agricultural land.
- Developed public space strategies along Rhine, integrating social use, accessibility, and ecological continuity.
- Analysed cantonal, regional, and municipal planning frameworks, including zoning law, Article 47 RPV, and stakeholder coordination mechanisms.

Land Use & Environmental Analysis (Udham Singh Nagar, India)
- Generated land-use/land-cover maps from satellite imagery for a 2,500+ km² study area.
- Applied NDVI, land-surface temperature and soil-loss indicators to assess environmental conditions and development suitability.