

Gaurav Kataria

London, UK | +44 7398 422815 | gaurav.kataria.ucl@gmail.com | gauravkataria.uk

PROFILE

Chartered Engineer (CEng) and Registered Architect (India) with cross-disciplinary expertise in building performance, decarbonisation strategy, and real asset sustainability. Proven record of translating complex technical analysis into commercially viable, data-driven recommendations for developers, investors, and design teams. Holds an MSc in Environmental Design & Engineering from UCL (The Bartlett). Currently advancing strategic management and finance expertise through ISB's Advanced Management Programme in Infrastructure (2026–27) and the University of Cambridge's Sustainable Real Estate Programme.

CORE ADVISORY COMPETENCIES

- **Strategic Advisory:** Decarbonisation pathways, ESG integration, asset-level sustainability strategy.
- **Commercial & Technical Due Diligence:** Operational energy, 'Performance in Use' (NABERS, TM54), and whole-life carbon analysis.
- **Investment & Value Analysis:** Identifying capex/opex reduction opportunities, de-risking new & existing assets, supporting business cases.
- **Stakeholder Management:** Translating complex data for developers, funds, and design teams to inform investment and design decisions.

PROFESSIONAL EXPERIENCE

Harley Haddow, London, UK

Senior Engineer | July 2023 – Present

- Shaped investment decisions on £1-300m high-value refurbishments and new builds by translating complex performance data into actionable strategic recommendations for developers, architects, and funds.
- Identified asset-level performance gaps and de-risked investments against stranding by leading 'Performance in Use' assessments (NABERS DfP, CIBSE TM54/63).
- Reduced projected operational costs by optimising HVAC system performance through advanced energy analysis, directly supporting the client's investment case and validating energy targets.
- Promoted to Senior Engineer within 8 months based on project delivery, stakeholder management, and team leadership.

Cundall, Birmingham, UK

Graduate Sustainability and Building Physics Engineer | Sept 2021 – July 2023

- Informed design and procurement strategies that unlocked 20-30% embodied carbon reductions, de-risking assets against future regulation and enhancing their 'green' marketability
- Supported business cases for major school, hospital, and office developments by developing and validating operational energy models (IES-VE).
- Guided clients toward enhanced asset value and marketability through thermal comfort (TM52/59) and wellbeing (WELL) analyses.
- Acted as WELL AP and sustainability champion for a major retrofit, securing WELL Gold and enhancing the asset's profile for investors and tenants.

Verte, London, UK

Graduate Energy and Carbon Consultant | May 2021 – Sept 2021

- Informed technical due-diligence for asset acquisitions by quantifying energy performance and compliance risks (Part L, London Plan), enabling more accurate valuation.
- Developed clear, concise visual reporting frameworks for sustainability metrics, improving client understanding and engagement during early-stage analysis.
- Delivered dynamic thermal modelling to validate design proposals against stringent London Plan energy and overheating requirements.

EDUCATION & STRATEGIC DEVELOPMENT

1. **ISB (Indian School of Business)**

Advanced Management Programme in Infrastructure (AMPI) | 2026–2027 (Anticipated)

2. **University of Cambridge**

Cambridge Institute for Sustainability Leadership (CISL); Sustainable Real Estate (executive program) | 2025

3. **University College London (UCL)**

The Bartlett; MSc Built Environment: Environmental Design & Engineering (Merit Honours) | 2020–2021

4. **GD Goenka University**

Bachelor of Architecture (B.Arch.) | 2015–2020 | Gold Medallist & Distinction Honours (1st in Class)

CHARTERS, ACCREDITATIONS & SKILLS

CHARTERS & LICENCES

- Chartered Engineer (CEng), Engineering Council UK
- Registered Architect, Council of Architecture, India
- European Engineer (EUR ING), Engineers Europe

KEY ACCREDITATIONS

- WELL Accredited Professional (WELL AP)
- CIBSE Low Carbon Energy Assessor (LCEA), Level 5
- Member: CIBSE (MCIBSE) & ASHRAE

TECHNICAL SKILLS

- Performance Modelling: IESVE (incl. ApHVAC), OneClick LCA, Ladybug Tools, THERM
- Design & Data: Revit, Rhino/Grasshopper, AutoCAD, Adobe Suite
- Frameworks & Policy: NABERS DfP, CIBSE TM-Series (54, 63, 52, 59), WELL, BREEAM, Part L