

# Gaurav Kataria, FRSA, CEng MCIBSE

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## PROFILE

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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

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- **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

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### 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

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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

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### CHARTERS & LICENCES

- Chartered Engineer (CEng), Engineering Council UK
- Registered Architect, Council of Architecture, India
- European Engineer (EUR ING), Engineers Europe (formerly FEANI)
- Fellow of the Royal Society of Arts (FRSA)

### KEY ACCREDITATIONS

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