

Jamshed V. Bhoté

Lead Computational Designer

Computational design at Studio Emergence across architectural planning, geometry and project workflows.

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EXPERIENCE

MAY 2026 – PRESENT

Lead Computational Designer

Studio Emergence

- Built Grasshopper workflows for architectural planning, optimisation, BIM automation and fabrication across institutional and commercial projects, including housing, schools, parking, warehouses, plotted developments and complex facades.
- Built generative planning systems with Grasshopper algorithms and HTML interfaces, evaluating thousands of layout options.
- Automated Rhino–Revit workflows and documentation, including rule-based element placement, LOD 300 modelling, families, schedules, drawings and sheet generation.
- Developed parametric facade and fabrication workflows across 15–20 design options, automating rationalisation, unrolling, labelling, dimensioning, drawings and fabrication quantity takeoffs.
- Supported complex facades with thousands of unique elements through rule-based modelling, rationalisation and production documentation; coordinated site checks and construction follow-up.

MAY 2025 – MAY 2026

Computational Designer

Studio Emergence

MAY 2024 – JUNE 2024 / INTERNSHIP

Sustainability Analyst

Varshasookt Consultants

- Conducted audits, site visits and sustainability analysis for naval, SEZ and township projects.
- Developed energy and water conservation plans.

MAY 2022 – JUNE 2023

Architect

Epitome Design Studio

- Developed residential and commercial projects from design through working drawings.
- Produced 2D, 3D and video renders for client presentations.

FREELANCE

Daylight & Shading Consultant

Independent

- Ran UDI and sDA daylight simulations in Rhino; designed shading devices using daylight and solar analysis.

EDUCATION

M.Des, Sustainable Design

Manipal Academy of Higher Education / 8.45 CGPA
2023–2025 · Thesis: Multi-Objective Optimization of Dynamic Facades Using Evolutionary Algorithms

B.Arch, Architecture

Amity University / 7.50 CGPA / 2017–2022

CAPABILITIES & TOOLS

Software

Rhino, Grasshopper, AutoCAD, Autodesk Revit (Autodesk Certified) and Adobe Creative Suite.

Computational methods

Python scripting, generative geometry, Grasshopper automation, solver development and evolutionary optimisation.

Environmental performance

Ladybug, Honeybee and EnergyPlus workflows for daylight, solar radiation, cooling loads and performance studies.

BIM & technical delivery

Autodesk Revit, Dynamo and Navisworks for coordination, model review, schedules and documentation.

Facade & production

Geometry rationalisation, fabrication drawings, quantity takeoffs, site coordination and checks.

PUBLICATION

[A review of multi objective optimization in sustainable architecture: enhancing energy efficiency through dynamic facades.](#) *Asian Journal of Civil Engineering*, 26(6), 2319–2330.