



Gowtham Jeyabalan

Architectural /
Computational
Designer

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LinkedIn

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Design

Maya	Intermediate
Rhino	Advanced
Grasshopper	Advanced
Revit	Advanced
Rhino Inside	Intermediate
Dynamo	Novice
Autocad	Advanced
Photoshop	Advanced
Indesign	Advanced
Illustrator	Advanced

Program-

Python	Intermediate
C#	Intermediate
Rhino Common	Intermediate
Revit API	Novice

Profile

I am an architectural designer exploring fluid forms and complex geometries through computational design. My work investigates how advanced digital methods can shape, optimise, and realise design intent. By developing bespoke tools and systems, I aim to bridge the gap between expressive form-making and buildable architecture.V

Work Experience

FHD, Hyderabad, India (Architectural/Computational Designer) 2020 - 2023

- Led Architectural Design and Coordination for a 55-storey high-rise Residential project, improving client approval rates through parametric facade design and enhanced design efficiency over multiple iterations iterations.
- Produced Detailed 3D Models using Rhino and Grasshopper for several residences, clubhouses, and high-rise apartments, supporting design development and documentation
- Built Environmental Performance analysis workflows for optimising affordable housing and net-zero communities focusing on shading, daylight and thermal efficiency.
- Contributed to six large-scale net-zero eco retirement communities through Masterplanning, enhancing environmental performance, and sustainable approaches.
- Researched on automating repetitive design tasks using Grasshopper.
- Worked on over fifteen large-scale Affordable housing projects focusing on spatial and facade optimisation through concept and schematic design stages.

RVDA, Chennai, India (Architectural Assistant) 2019

- Designed and delivered Interior Design Packages for five small-scale residences, including layouts, joinery details, and furniture design.
- Prepared spatial and electrical layout drawings, improving coordination for a mid-sized hospital project.

CARE-PEP, Trichy, India (Research Assistant) 2018 - 2019

- Worked as the research assistant for CARE-People, Environment and Place(a research initiative at CARE school of Architecture)
- Designed an affordable housing alternative proposal for a government project as part of a 2 person team focusing on community needs and spatial efficiency
- Analysed local building laws and contributed ten regulatory suggestions to the advisory council

Mozaic Architecture, Goa, India (Architectural Intern) 2016 - 2017

- Assisted in the conceptual Modelling using Rhino and detailed design stage for five hospitality projects and renovations of 2 residences
- Prepared schematic design presentations, 3D models, and layout drawings using Revit, accelerating the design iteration timelines for Prefabricated Housing Projects

Education

Cardiff University 2023 - 2024
(MSc Computational Methods in Architecture - Distinction)

- Specialised in parametric and performance-driven design, focused on form-finding, rationalisation, and digital fabrication using advanced digital tools like generative design and performance analysis utilising Rhino, Grasshopper and Programming
- Researched and utilised Machine Learning to automate room classification in BIM models using Python (PyTorch Geometric).

CARE School of Architecture 2013 - 2018
(Bachelor of Architecture - First Class)

- Studied Design Principles through independent, experimental, and rigorous approach
- Learnt about the interaction between technology, design, society, and the built environment
- Developed analytical and creative skills and spatial aptitude through diverse design problems