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### **Aaditi Mahajan**

#### **Studio Projects:**

- Assessment of Indoor Environment Quality in Healthcare Facility in Ahmedabad
- Whole Building Analysis of LMCP building.
- Daylight assessment and optimization for LMCP building.
- Impact Of Sensible Heat Load in an indoor space
- Building envelope Optimization
- Undergraduate Thesis (B.Arch): Centre for life skills, Phyang, Leh

#### **Internship Experience:**

- Architect Intern at Vke: Environmental, Pune (2020-2021).
- Architect Intern at LEEDLAB, Brick School of Architecture, Pune: (June-December 2020)
- Intern at Indian Green Building Council (March-June 2022)

**Software Skills:** Rhino + Grasshopper, Energy plus, Design Builder, Light Stanza(Radiance), Andrew Marsh, Climate Consultant, AutoCAD, Sketch-up, MS Office (Excel, Word, and PowerPoint), Adobe Photoshop, Lumion



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### **Akanksha Agrawal**

#### **Extra-curricular**

- Finalist at 2023 ASHRAE Building Performance Analysis Conference |Project StaSIO Competition|
- Published a paper entitled "AJANTA CAVES: a perspective on the construction methods and technique" in International Journal of Research in Engineering & Technology
- ASHRAE, Student Chapter Active committee member

#### **Studio Projects**

- Whole Building Design of LMCP , Net positive building design
- Energy consumption of split AC and ERV
- Integrated Daylighting Lab (Natural daylight improvement in buildings)
- Passive design strategies and climate analysis

#### **Internship Experience**

- Gayathri and Namith Architects | Bangalore, Karnataka |2017-18

#### **Work Experience**

- S Squared Architects, (November,2021-July,2022)
- Gayathri and Namith Architects (April 2019 -June 2020)

#### **Software Skills**

Rhino + Grasshopper, Energy plus, Design Builder, Light Stanza (Radiance), Andrew Marsh, Climate Consultant, Climate Studio, VayuPravah, AutoCAD, Sketch-up, MS Office Suite, Adobe Suite, Lumion, Vray.



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### **Arjita Gupta**

#### **Extra-curricular Projects**

Winner of BS2023 Competition organized by IBPSA.

#### **Studio Projects**

- Experimental validation of moisture transfer at different leakage area and pressure gradients
- Whole Building Analysis of LMCP building.
- HVAC System Efficiency
- Impact of ECBC compliant components on building EPI Building envelope optimisation

#### **Internship Experience**

- AAPL, Ahmedabad (Nov.2018 to May,2019)

#### **Work Experience**

- MBH Architects, Mumbai (February 2022 to July 2022)
- Bentel Associates, Mumbai (February ,2021 to February 2022)

#### **Software Skills**

Rhino + Grasshopper, Energy plus, Design Builder, Revit, Light Stanza (Radiance), Andrew Marsh, Climate Consultant, VayuPravah, Python, AutoCAD, Sketch-up, MS Office (Excel, Word, and PowerPoint), Adobe Suite, Lumion, Vray.



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### **Arsh Arora**

#### **Extra-curricular**

- Administrative Secretary-student council | CEPT-FT PG (2023-24)
- Design Thinking and innovation | IIT Delhi (May - November | 2020)
- ASHRAE, Student Chapter Active committee member. (2023)

#### **Studio Projects**

- Whole Building Design, Net positive building design
- HVAC Lab (Energy consumption of split AC and ERV)
- Natural daylight enhancement in buildings
- Mathematics in Architecture, Sports Complex (Undergraduate Architecture Thesis)
- Economically Sustainable Model for Structural Systems (Undergraduate Architecture dissertation)

#### **Internship Experience**

- Space Perception Architecture (2018)
- Studio EarthBox (2017)

#### **Work Experience**

- Arcop associates pvt.Ltd.,New Delhi (August 2019 to November 2021 )
- AR-CUBE (self-acquired architecture projects), (November 2021 to current)

#### **Software Skills**

Rhino + Grasshopper, EnergyPlus, Design builder, Envi-met, Vayu Pravah, Sketchup, Revit, Autocad, Lightstanza, Lumion, Vray, Ms office, Python.



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### **Ayush Mandviya**

#### **Extra-curricular Projects**

- Project StaSIO Graphics: Title - "What is the impact of horizontal shading on zone sensible cooling loads?" (Honourable mention at 2023 ASHRAE Building Performance Analysis Conference in the Project StaSIO Competition session)

#### **Studio Projects**

- Assess impact of Trees on the building cooling loads and energy consumption.
- Whole Building Design - L.M College of Pharmacy
- Daylight Analysis - L.M College of Pharmacy
- Determine Operational COP of Split Air Conditioning

#### **Internship Experience**

- Saptak Patel Architects, Ahmedabad (December 2019 - March 2020)

#### **Work Experience**

- Sunil Nagal Associates, Nagpur (November 2021 to July 2022)
- Aarambh Architects, Yavatmal (May 2021 to October 2021)

#### **Software Skills**

Design Builder, Energy plus, Light Stanza, Climate Consultant, Andrew Marsh tools, D-view, AutoCAD, Revit, Rhino + Grasshopper, Sketch-up, MS Office Suite, Adobe Photoshop



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### **Debanjana Das**

#### **Extra-curricular Projects**

- Winner of BS2023 Competition organized by IBPSA, 2023
- LiFE - organized by NITI Ayog, (SELECTED TILL PHASE I)
- Student's quiz competition on HVAC systems organized by ASHRAE,2023

#### **Studio Projects**

- Studying heat transfer in building envelopes by designing a 1m<sup>3</sup> space and analyzing internal temperature changes using energy balance.
- Chiller optimization for Kota Location and analyzing the impact on EPI and thermal comfort.
- Studying an existing building for potential Daylight issues and optimizing the same by suggesting recommendations for increasing UDI and reducing glare
- Whole building design for an existing University building located in Ahmedabad along with LCA and LCCA

#### **Internship Experience**

- Intern, Green building consultant at Livolt
- Architectural Intern at Design Workshop

#### **Work Experience**

- Arvind Vivek And associates; (July,2018 to July,2019) – 1 year
- Studio B Architects: (August,2019 to June,2022) – 2 years 11 months

#### **Software Skills**

Design Builder, Energy Plus, Light Stanza, Climate consultant, D-View, Vayu Pravah, MS Office Suite, Sketch up, Vray, Rhino + Grasshopper, AutoCad, Adobe Suite



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### **Deepika Khandare**

#### **Studio Projects**

- Assessing Carbon Emissions of an HVAC System: Case Study of SARI Building, Ahmedabad.
- Whole Building Analysis of LMCP Building.

#### **Internship Experience**

- Ajit Bhuta & Associates, Mumbai.

#### **Work Experience**

- The OnePointFive Tribe, Mumbai (June, 2020 – May, 2023).
- Project Associates, Mumbai - Architect & PMC (Nov., 2020 - Current).
- Accurate, Mumbai - LCA Research Associate (June, 2023 – Sept, 2023).

#### **Software Skills**

AutoCAD 2D, Revit, Sketch Up, LightStanza, Dialux Evo, Design Builder, Energy Plus, Andrew Marsh Tool, Climate Consultant & M.S. Office.



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### **Dhruv Varma**

#### **Extra-curricular**

Program Ambassador for Master's in building Energy Performance (2022-24)

#### **Studio Projects**

- Mitigation of Urban Heat Islands through Cool Roofs: Assessing the effectiveness and potential of Cool Roofs over an urban area (Gandhinagar)
- Exploring heat transfer within building envelopes through the design and analysis of a 1m<sup>3</sup> space to assess thermal comfort for the location of Ahmedabad using heat balance equations and experimental methods.
- Assessing how the implementation of a Heat Recovery Ventilator affects the energy consumption of a split air conditioning system and, in turn, its influence on Indoor Air Quality (IAQ).
- Whole Building Analysis of LMCP Building

#### **Internship Experience**

Studsonine Architects, Ahmedabad (6 months - January 2019 to June 2019)

#### **Work Experience**

Dimensions, Jaipur (9 months - March 2021 - November 2021)

#### **Software Skills**

Rhino + Grasshopper, Energy plus, Design Builder, Revit, Light Stanza (Radiance), Envi-MET, QGIS, VayuPravah, Python, AutoCAD, Sketch-up, MS Office (Excel, Word, and PowerPoint), Adobe Suite, Lumion, Vray.



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### **Hardik Rajan**

#### **Studio Projects**

- Translucent Concrete: An Innovative Construction Material
- Assessment of Light Pollution at Building Level using software tools
- Whole Building Design (WBD) Approach for LM College of Pharmacy Building, Ahmedabad
- HVAC System & Sizing based on thermal zoning.

#### **Internship Experience**

- **Sustainability Intern, Greentree Global** (6 months, December 2021 – May 2022)

#### **Work Experience**

- **Assistant Engineer-Valuations - R.K. Associates and Techno Engineering Consultants Pvt. Ltd** (1 year; July 2018 – August 2019)
- **Research Analyst - LNC Pvt. Ltd** (5 months, July 2017 – November 2017)

**Software Skills** EnergyPlus, DesignBuilder, Autodesk Ecotect, Equest, LightStanza (Radiance), DialuxEvo, Autodesk AutoCAD, Autodesk Revit, MS Office (Excel, Word, and PowerPoint)



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### **Manna Elizabeth Sam**

#### **Extra-curricular**

'The Recipe for Net Zero Energy' article for GRIHA Magazine 2023

#### **Studio Projects**

- Methodology for quantifying water-table flow patterns in naturally ventilated buildings.
- Whole Building Analysis and Net Zero analysis of LMCP building.
- Envelope and HVAC system optimization for an ECBC compliant building (LMCP building)
- Daylight assessment and optimization for LMCP building.
- Impact of relative humidity & latent load on cooling system design.
- Change in Air-Conditioner Power Consumption while providing fresh air and the Energy Conservation Measure of Heat Recovery Ventilator.
- Heat transfer assessment through a shoe box of 1m<sup>3</sup> to understand Building envelope optimisation.

#### **Internship Experience**

- Inspiration, Kochi (December, 2019 to May, 2020)

#### **Work Experience**

- Design Unbound, Navi Mumbai (December, 2021 to May, 2022)

#### **Software Skills**

Design Builder, Energy Plus, Light Stanza, Data Analysis, Andrew Marsh, Revit, AutoCAD, SketchUp, Rhino+Grasshopper+Honeybee, Adobe Photoshop, MS Office (Excel, Word, and PowerPoint)



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### **Mervyn Menezes**

#### **Studio Projects**

- Measuring Infiltration Rates in Rooms of different Typologies and derive a relation between Blower Door Method & Tracer Decay Method.
- Whole Building Analysis and Net Zero analysis of LMCP building
- Envelope and HVAC system optimization for an ECBC compliant building (LMCP building)
- Daylight assessment and optimization for LMCP building
- Impact of HRV on CO<sub>2</sub> concentration
- Heat transfer assessment through a shoe box of 1m<sup>3</sup> to understand Building envelope optimisation.

#### **Internship Experience**

- Shashi Sharma & Associates, Mumbai (December, 2015 to April, 2016)

#### **Work Experience**

- Sanderson Group (India) Pvt. Ltd., Mumbai (June, 2021 to July, 2022)
- Alternate Angle Architects Pvt. Ltd., Mumbai (July, 2017 to October, 2020)

#### **Software Skills**

Design Builder, Energy Plus, LightStanza, Andrew Marsh tools, Rhino+Grasshopper, AutoCAD, SketchUp, Climate Consultant, Photoshop, MS Office (Excel, Word & PowerPoint)



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### **Mohammed Umar**

#### **Extra-curricular Projects**

- Winner, International Student Modelling Competition 2023, 18<sup>th</sup> IBPSA Building Simulation Conference, Shanghai, China
- Shortlisted for Phase-II of 'LiFE - Global Call for Ideas' organized by NITI Aayog, Government of India.

#### **Studio Projects**

- Techno-Economic Analysis of NZEB based on Long-Term Data
- L.M. College of Pharmacy - Whole Building Design and NZEB
- Change in Air-Conditioner Power Consumption with Heat Recovery Ventilator
- ECBC, ECBC+ and ECBC Super Compliance in energy-efficient buildings: Envelope Optimization
- HVAC Simulations: System Sizing, VAV and VRF system, Chiller Sequencing, Degree Discomfort Study

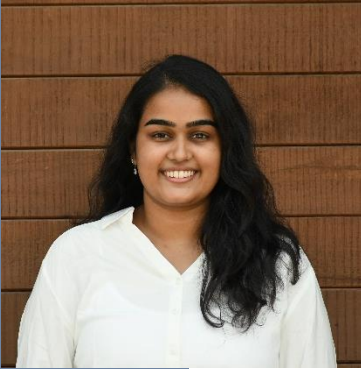
#### **Internship Experience**

- The Novarch Architects, Delhi (6 Months; Dec, 2019 to Jun, 2020)
- NBCC (2 Months; June, 2017 to July, 2017 and June, 2018 to July, 2018)

#### **Work Experience**

- Consultant - **A GEN C**, (Part-time) (13 Months; Aug, 2022 to Sep, 2023)
- BIM Architect - **The AEC Associates**, (4 Months; May, 2022 to Aug, 2022)
- BIM Architect - **VYOM** (9 Months; Jun, 2021 to Feb, 2022)

**Software Skills** Rhino+Grasshopper, EnergyPlus, DesignBuilder, LightStanza (Radiance), Climate Consultant, VayuPravah, Python, AutoCAD, SketchUp, MS Office (Excel, Word, and PowerPoint), Adobe Suite, Lumion, Vray, ZBrush, KeyShot.



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### **Mohi Saxena**

#### **Extra-curricular Projects**

- Winner, International Student Modelling Competition 2023 part of the 18th International IBPSA Building Simulation Conference Shanghai, China (The aim of the competition was to design and optimize a 'Nearly Net Zero Carbon Emission Building' using computer simulation.)
- Shortlisted for Phase-II submission of 'LiFE Call for Ideas'. Ideas that provide solutions, and promote the adoption of traditional, climate-friendly practices.

#### **Studio Projects**

- Thermal Comfort and Energy Efficiency of PECS systems: A case study of LMCP Building
- Whole Building Analysis and Net Zero analysis of LMCP building.
- Daylight Analysis of LMCP building
- Understanding heat transfer from building envelopes and concepts of thermodynamics.
- Assessment of Heat Recovery on energy consumption of classroom space

#### **Internship Experience**

- PTA Designs (8 Months August 2021 -April 2022)

#### **Work Experience**

- PTA Designs (6 Months, May 2022 - November 2022)

**Software Skills** Energy plus, Design Builder, Light Stanza (Radiance), Rhino + Grasshopper, Andrew Marsh, Climate Consultant, Climate Studio, Python, AutoCAD, Sketch-up, MS Office Suite, Adobe Suite, Lumion, Vray.



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### **Mokshika Arora**

#### **Extra-curricular Projects**

- Project StaSIO Graphics: Title - "What is the impact of component optimization as per ECBC on sensible cooling loads of office buildings in composite climate?" (Honourable mention at 2023 ASHRAE Building Performance Analysis Conference)
- Finalist-Student's quiz competition on HVAC systems organized by ASHRAE,2023

#### **Studio Projects**

- Developing an expedited approach for ensuring interior visual comfort by optimizing daylight use for an office building.
- Whole Building Analysis and Net Zero analysis of LMCP building.
- Daylight Analysis of LMCP building
- Effective methods of Chiller Sequencing
- Impact of ECBC compliant components on building EPI
- Building envelope optimisation

#### **Internship Experience**

- Aangan Architects (6 months January,2020 to May,2020)
- Manasaram Architects (6 months July,2018 to December,2018)

#### **Work Experience**

- N plus U Design studio (1 year July,2021 to July,2022)
- AKA Architects (8 months October,2020 to April,2021)

**Software Skills** Rhino + Grasshopper, Energy plus, Design Builder, Light Stanza (Radiance), Andrew Marsh, Climate Consultant, Climate Studio, VayuPravah, Python, AutoCAD, Sketch-up, MS Office (Excel, Word, and PowerPoint), Adobe Suite, Lumion, Vray.



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### **R Venkat Ragavan**

#### **Studio Projects**

- L.M. College of Pharmacy - LCA and strategies for Net zero Carbon
- L.M. College of Pharmacy - Whole Building Design and NZEB
- Envelope and HVAC system optimization for an ECBC compliant building (LMCP building)
- Daylight assessment and optimization for LMCP building.
- HVAC Simulations: System Sizing, VAV and VRF system, Chiller Sequencing, Degree Discomfort Study.

#### **Internship Experience**

- Ardes Architects, Bangalore (6 Months; May 2019 - Oct 2019)
- Creators cage design and constructions, Chennai (6 Months; Oct 2019 - Mar 2020).

#### **Work Experience**

- Design Eye Architects, Hyderabad  
Project Architect (9 months; August 2021 to April 2021)
- Space Palette  
Project Architect (4 months; April 2022 to July 2022)

**Software Skills** Rhino + Grasshopper, Energy plus, Design Builder, Light Stanza (Radiance), Andrew Marsh, Climate Consultant, VayuPravah, AutoCAD, Sketch-up, MS Office (Excel, Word, and PowerPoint), Adobe Photoshop, Adobe Illustrator, Adobe Premiere Pro, Lumion, Vray.



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### **Shreya Bansal**

#### **Studio Projects**

- Methodology for real time assessment of split air conditioners
- Whole Building Analysis and Net Zero analysis of LMCP building.
- Envelope and HVAC system optimization for an ECBC compliant building (LMCP building)
- Daylight assessment and optimization for LMCP building.
- Split air conditioner performance assessment
- Conducting an evaluation of heat transfer within a 1 cubic meter shoebox to assess building envelope characteristics.

#### **Internship Experience**

- Right angle architects, Thane, Mumbai (5 months, Dec, 2017 - April 2018)
- Vista Architects, Mathura, Uttar Pradesh (4 months, May, 2019-Aug, 2019)

#### **Work Experience**

- Vista Architects, (1 yr 10 months, July, 2020-May, 2022)

#### **Software Skills**

Energy plus, Design Builder, Light Stanza (Radiance), Revit (BIM), Rhino + Grasshopper, Andrew Marsh, Climate Consultant, Climate Studio, Adobe suite (Photoshop, Illustrator), AutoCAD, Sketchup, MS Office (Excel, Word, and PowerPoint), V-ray





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### **Siddhi Vashi**

#### **Studio Projects**

- Studying heat transfer in building envelopes by designing a 1m<sup>3</sup> volume for the given location using heat balance equations and Experimentation
- Impact of Energy recovery ventilator on energy consumption of a split air conditioner and subsequent impact on IAQ
- VAV system optimization for a shoe box model
- Study of LMCP building for potential daylight issues and optimization for the same (Making the building code compliant for daylight as per ECBC)
- Whole building analysis and net zero design for LMCP building.
- Measuring ventilation rates in concurrent mixed mode buildings

#### **Internship Experience**

- HCP Design, planning and management pvt. ltd, Ahmedabad (6 Months; Jan 2017 - June 2017)
- Mindspace architects, Bangalore (6 Months; Jun 2017 - Nov 2017)

#### **Work Experience**

- House of Three, Surat  
Principal Architect (2 years 6 months; Jan 2020 to June 2022)
- Patel-Vadodaria Design Research Studio (PVDRS), Ahmedabad  
Project Architect (2 years 8 months; August 2019 to March 2022)
- Mathew and Ghosh architects, Bangalore.  
Junior Architect (7 months; Nov 2018 - May 2019)
- Home Lane, Surat  
Interior Designer (6 months; May 2018 to Oct 2018)

**Software Skills** Rhino + Grasshopper, Energy plus, Design Builder, Light Stanza (Radiance), Andrew Marsh, Climate Consultant, Climate Studio, VayuPravah, Python, AutoCAD, Sketch-up, MS Office (Excel, Word, and PowerPoint), Adobe Suite, Lumion, Vray.



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### **Sonia Bolli**

#### **Studio Projects**

- Simplifying Building Performance Analysis- Performance-based building design that blends building massing and facade design.
- Whole Building Analysis of LMCP building.
- Daylight Analysis of LMCP building
- Heat Load calculation
- Measurement & Experimentation

#### **Internship Experience**

- HR Lines, Hyderabad (July, 2021 to December, 2021)
- Tejas and Associates, Solapur (January, 2022 to July, 2022)

#### **Software Skills**

Design Builder, Energy Plus, Light Stanza, Rhino, AutoCAD, Sketchup, Photoshop, Climate Consultant, MS Office Suite, Ecotect, InDesign, CBE Clima tool, Andrew Marsh, VayuPravah.



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### **Sudeshna Patil**

#### **Studio Projects**

- LMCP building Whole Building Analysis and Net Zero Analysis
- Optimisation of an ECBC compliant building's envelope and HVAC system (LMCP building)
- Assessment and optimisation of daylight for the LMCP building.
- Evaluation of the performance of a split air conditioner
- Using the IMAC comfort band, conduct a heat transfer study within a 1 cubic meter shoebox to assess envelope characteristics.

#### **Internship Experience**

- Sapalya Associates (June 2021 - November 2021)

#### **Software Skills**

Energy plus, Design Builder, Light Stanza (Radiance), Revit(BIM), Rhino + Grasshopper, Andrew Marsh, Climate Consultant, Climate Studio, Adobe suite(Photoshop , Premier pro), AutoCAD, Python, MS Office (Excel, Word, and PowerPoint)



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### **Tamanna Sawant**

#### **Studio Projects**

- Feasibility of low energy cooling systems in different sizes of Indian Office buildings. (Directed Research Project)
- Whole building analysis and net zero design for LMCP building.
- Study of LMCP building for potential daylight issues and optimization for the same (Making the building code compliant for daylight as per ECBC)
- VAV system optimization for a shoe box model
- Testing and Installation protocol of Energy recovery ventilator and assessment of ventilation rates by different mechanical ventilation devices.
- Studying heat transfer in building envelopes by designing a 1m<sup>3</sup> volume for the given location using heat balance equations and experimentation.

#### **Internship Experience**

- Mother Earth care studio (6 Months; June 2020 - Oct 2020)

#### **Work Experience**

- Arc-allusion, Pune. Junior Architect (06 Months; January 2022-July 2022).

**Software Skills** Rhino + Grasshopper, Energy plus, Design Builder, Light Stanza(Radiance), Andrew Marsh, Climate Consultant, Climate Studio, VayuPravah, AutoCAD, Sketch-up, MS Office Suite, Adobe Suite, Lumion.



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### **Zoya Zakai**

#### **Studio Projects**

- Coefficient for impact assessment upon embodied energy for structural members for different FSI (1-7) using LCA.
- Whole Building Analysis and Net Zero analysis of LMCP building.
- Envelope and HVAC system optimization for an ECBC compliant building (LMCP building)
- Daylight assessment and optimization for LMCP building.
- Split air conditioner performance assessment
- Heat transfer assessment through a shoe box of 1m<sup>3</sup> to understand envelope optimisation.

#### **Internship Experience**

- Urban Architecture Works (4 months, January 2017 - May 2017)

#### **Work Experience**

- Sthapati Associates Pvt Ltd (3 years, January 2019 – January 2022)

#### **Software Skills**

Energy plus, Design Builder, Light Stanza (Radiance), Revit (BIM), Rhino + Grasshopper, Andrew Marsh, Climate Consultant, Climate Studio, Adobe suite (Photoshop , Premier pro), AutoCAD, Python, MS Office (Excel, Word, and PowerPoint)