

CURRICULUM VITAE



Suraj Arora

Architecture | Post-Digitalsim | Computation | Fabrication

SURAJ ARORA

COMPUTATION | ARCHITECTURE | POST-DIGITALISM | FABRICATION

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Biography

Educated in IAAC with Prof. Aldo Solazzo of Noumena, Suraj's pursuit of Architecture has been a bit off the usual path.

His experience ranges from working on various competitions and studio projects to researching and orchestrating algorithms according to the nature of the cause. His interests are widespread, ranging from Emergence in Architecture, creative Robotics, IoT, Reality technologies, to the philosophy of space making, and questioning the nature of reality and how everything is perceived with some sci-fi and travelling.

As an Architect, it would be rather difficult to alter life. I would just set up gestures in a bigger scenario by foreseeing the nature of life at present and future through the ability of observation and analysis by not hesitating on the unpredictable changing scenario rather adapting to it..'

Suraj deeply believes in the power of architecture in doing good. Bit by Bit.

Education

B. Arch. 2020, Sushant School of Art & Architecture, Ansal University, Gurugram.

GSS 2017, Institute of Advanced Architecture of Catalunya, Barcelona, Spain
Attended the intense session with Aldo Solazzo (Noumena), Jesus Ariel Venezuela (Casa Papagayo), with Mr Kunal Chaddha and Sebastian Amorelli as the mentors and designing an urban installation which makes the abandoned area of Superilla pedestrian-friendly through the use of Arduino for Interactive Technologies and Rhino & Grasshopper for the form-finding and fabrication process which in the end was presented to the municipalities of Barcelona to implement the product.

Research & Practice Interests

Projections on Trans-Technological pollination of Architecture with other faculties, Computational Approach, Biomimicry, Theory of Design, Adapting the design with the available materials but not compromising on the optimized arrangement, Architecture and future Urbanisms, Post Digital aspirations.

Achievements

2016 National Science & Innovation Centre Competition, Kaunas, Lithuania: Kaunas Municipality: Globally ranked #71/500 & the only Indian studio in the shortlist.

Professional Experience & Selected Projects (Typological)

2018, Apr.-
2018, Dec. **Intern Architect, M:OFA Studios, Delhi, India**
Handling computation aspects of ongoing projects such as NIWS, and implementation working drawings of the same.

2016, Jun.-
2016, Jul. **Intern Architect, SHIDA Architecture, Delhi, India**
As an Intern, assisted architects in resolving construction details through drawing & physical modelling, of the Kaunas Science Island Competition.

Public Space

Catalytic Architecture Catering to Contemporary Landscape, Fifth Year: Looking into the situation of public parks, and proposing architecture fused with landscape that revitalizes the disengaged spaces.

Residential

House of Stark, First Year: Looking at the residential parameters catering to the specific client.

Horizontal Porosity, Fourth Year: Looking at designing a housing complex catering to the needs of the user while following the URDPFAI guidelines.

I.T.A.D., Third Year: Looking at implementing sustainable approaches and designing a net-zero building.

Mixed-Use

Multiplicity and Memory, Second Year: Looking at the aspect of designing at a deeper level where the site is most layered and prominent.

Contemporary of a Culture, Fourth Year: Looking at the facet of Urban Design in the city of Patiala, with intense studies, identification of specific problems and addressing the same.

Institution

Functional Sculpture, Third Year: Looking at designing an Institute with a context which has least layers of complexity keeping the anthropometry.

Hospitality

Vertical District, Third Year: Looking at designing mixed-use hospitality with a prominent precedent.

Horizontal Porosity, Fourth Year: Looking at designing a housing complex

catering to the needs of the user while following the URDPFAI guidelines.

Installation

Geodesic Dome, Second Year: A one on one geodesic dome created through reusable plumbing pipes and zip tie and also glued with a strong bond for stability.

Public Parliament, Third Year: A chair as urban furniture was developed in G.S.S. wherein the furniture was interactive and form was optimized and fabricated.

Paper Publications

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| 2020 | Published: Thesis paper on Catalytic Architecture Catering to Contemporary Landscape.' |
| 2017 | Published: Dissertation paper on 'How to Sensitize the Masses with Architectural Sensibilities?' |

Profile Features

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| 2017 | Featured Architect Profile on Architecturelive,
http://www.posts.architecturelive.in/mokslateitis-future-science-%E2%80%A8competition-entry-national-science-innovation-centre-shida-architecture/ |
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Seminars, Workshops, Expeditions

Attended:

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| 2018 | Study Expedition, Patiala- Chandigarh |
| 2017 | Sustainability Sensitizing Workshop, Jamia Milia Islamia, New Delhi, India.
Green Practices, Auroville, Puducherry, India.
IAAC Lecture Series, Barcelona, Spain.
IGBC Students Chapter, Ansal University, Gurugram.
Study Expedition, Mumbai-Lavassa-Pune. |
| 2016 | Study Expedition, Puducherry-Auroville. |

Happening Haryana, Gurugram, India.

2015 Study Expedition, Bhopal-Orchha-Gwalior.

Languages

Native speaker in English, Hindi, Working knowledge of Punjabi. Currently pursuing French.

Skills

Adobe Suite:

Photoshop, Illustrator, Indesign, Premiere Pro & Dimension.

3D Modelling:

Rhinoceros 3d, Sketchup, V-Ray, Lumion, UnrealEngine, Keyshot, D5 Render.

CAD / Algorithmic Design:

Autocad, ZWCAD, Autocad Architecture and Grasshopper.

Machinery:

6 axis Robot, Laser Cutting, Handmade Modelling.

Others:

Arduino, Hand Sketching, Digital Arts, Logo Animation

References

References are available upon direct requests

Prof. Kingshuk Datta

Co-Founder of SHIDA Architecture

E: kd@shida.in

Prof. Himanshu Sanghani

Associate Dean of Sushant School of Art & Architecture

E: himanshusanghani@ansaluniversity.edu.in

Prof. Sagar Gupta

Assistant Professor of Architecture at Sushant School of Art & Architecture,
Gurgaon (India)

Associate Director at UrbanPRAXIS, Delhi NCR (India)

Co-Founder // UrbanACADEME (India)

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