



RITVIKA LUTHRA

architectural & design portfolio





#ONE

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## SHYAMVILLAS

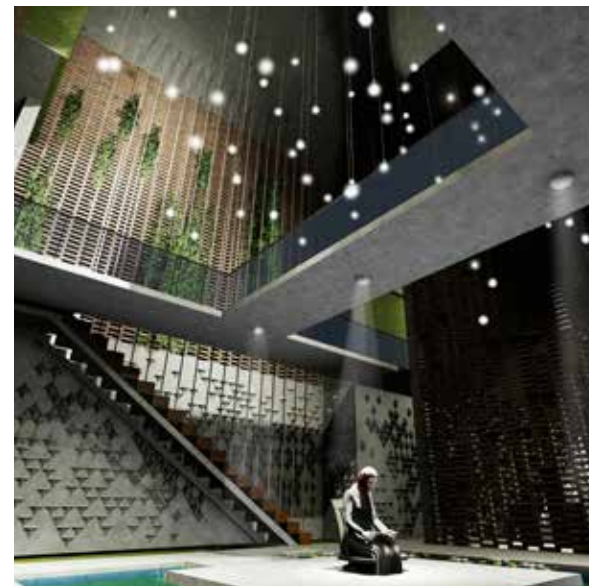
LOCATION - Varanasi, India

PROJECT TYPE - Studio, Individual

ROLE PLAYED - Conceptualization, planning, 3D modeling, rendering

SOFTWARE / TOOLS - AutoCAD, Revit, Sketchup, Lumion, Photoshop, InDesign, Illustrator, CNC Machine, Vacuum Former, Woodshop - hand & machine tools

- Furniture design was followed by residence design
- The furniture piece is designed to enhance the experience of meditation
- Built on the banks of river Ganga, overlooking the Ghats or steps where offerings with magnificent torches are made every night
- Keen eye for details in play of light, water and visual connections to the meditation spaces





#TWO

SAPRA'S

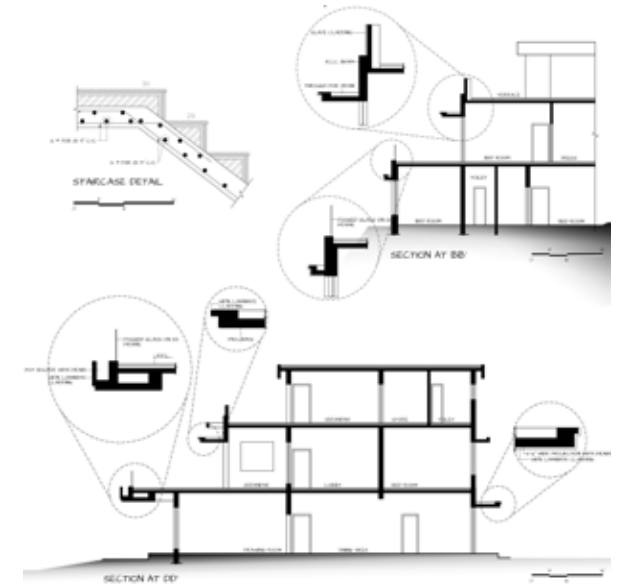
LOCATION - Chandigarh, India

PROJECT TYPE - Professional

ROLE PLAYED - Client interactions, conceptualization, planning, 3D modeling, rendering, site visits, consultant interactions, purchasing

SOFTWARE / TOOLS - AutoCAD, Sketchup, Lumion, Microsoft suite

- Residence for a family of five members
- Consisting of three levels with scope of expansion
- Design challenge was to retain the old construction, but evolve spacious areas



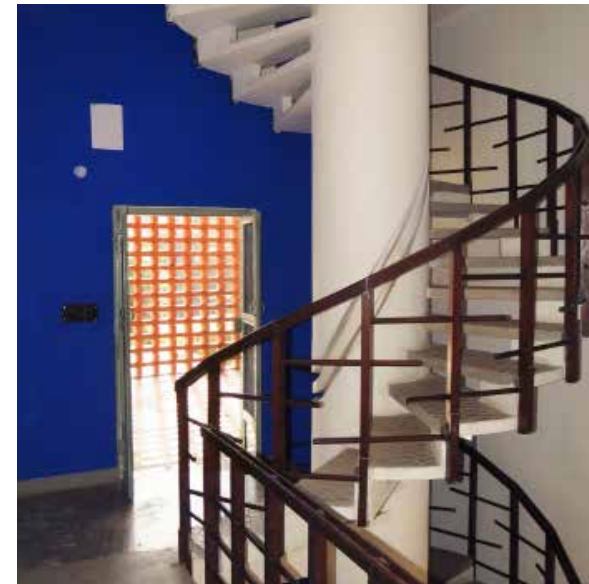


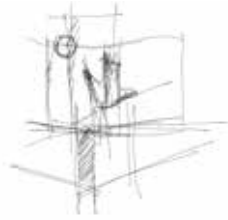
#THREE

## LE CORBUSIER RESIDENCE

LOCATION - Chandigarh, India  
PROJECT TYPE - Professional  
ROLE PLAYED - Data compilation, site visits  
SOFTWARE / TOOLS - Microsoft suite, AutoCAD

- Restoration and conservation of Le Corbusier and Pierre Jeanneret residence
- First project dealing with conservations and scraping off layers from surfaces to find it's originality
- Involved presentation to the administration, site visits, design, drafting, execution and launch
- Curated an exhibition to convert the house into a museum



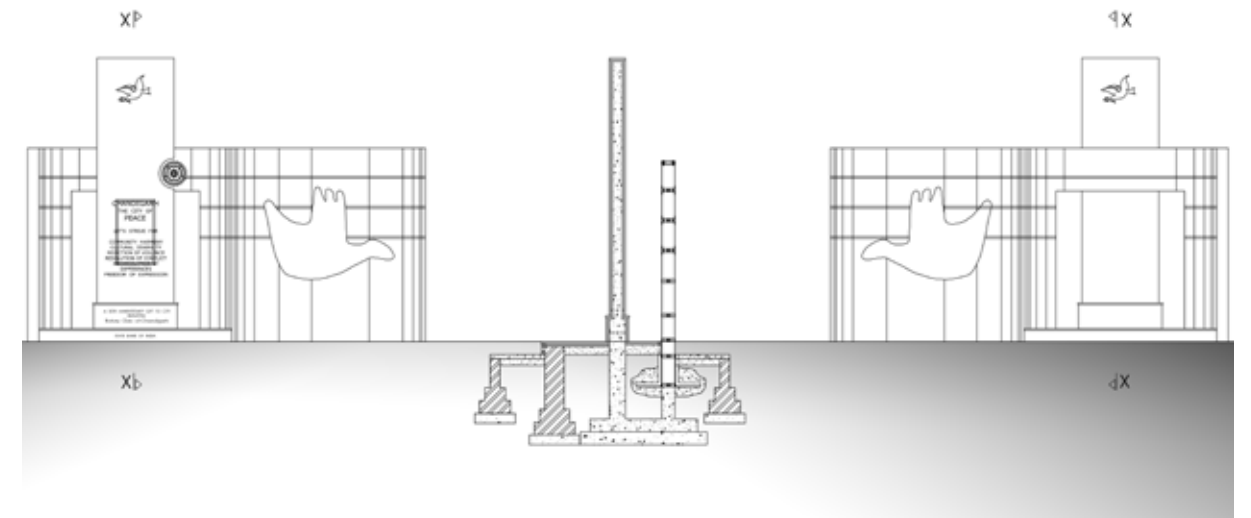


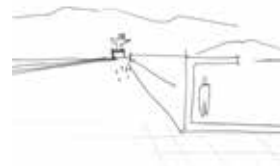
#FOUR

## PEACE MONUMENT

LOCATION - Chandigarh, India  
PROJECT TYPE - Professional  
ROLE PLAYED - Drafting, site visits  
SOFTWARE / TOOLS - AutoCAD

- Preservation and conservation of Peace Monument
- Celebrate 50 years of Chandigarh and 100 years of Rotary International
  - First experience with steel
- Constructed after winning a city-wide competition





#FIVE

HYPHEN

LOCATION - Chandigarh, India

PROJECT TYPE - Studio, Individual

ROLE PLAYED - Conceptualization, planning, 3D modeling, rendering

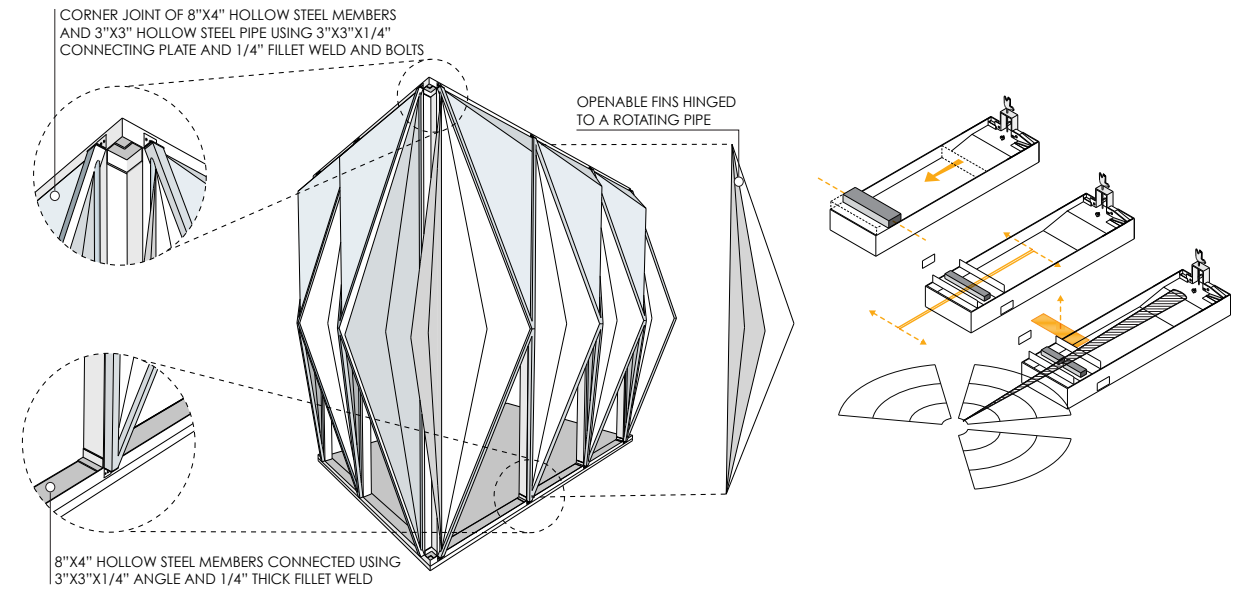
SOFTWARE / TOOLS - AutoCAD, Sketchup, Lumion, Microsoft suite

•Food-hub designed in galvanised steel

•Strategic planning at the Capitol Complex designed by Le Corbusier, allowing juxtaposition between concrete and steel. making this a node for farmers and city population in immediate vicinity.

•Triangles are used as a reflection of mountains in the background.

•The play in sections and level adds to the space being an outdoor community space.





#SIX

## SYDNEY HEIGHTS

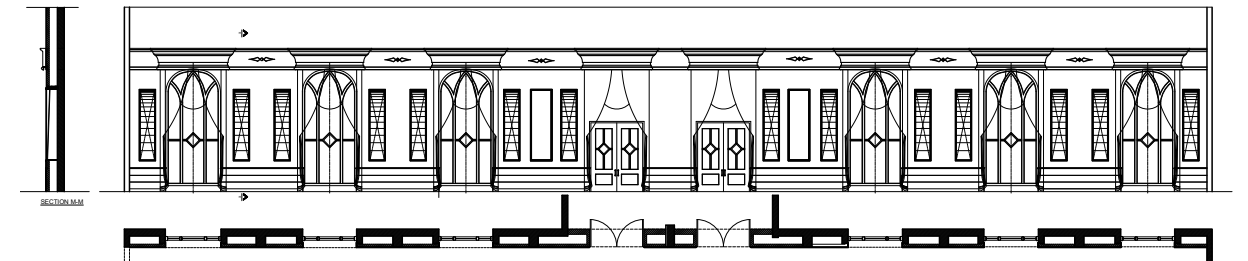
LOCATION - Landran, Punjab, India

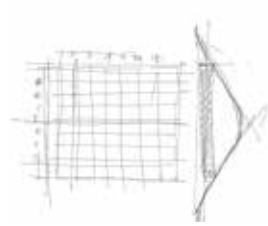
PROJECT TYPE - Professional

ROLE PLAYED - Client interactions, conceptualization, planning, 3D modeling, rendering, site visits, consultant interactions

SOFTWARE / TOOLS - AutoCAD, Sketchup, Lumion, Microsoft suite

- Firm took over the project mid-stage
- The building started sinking due to poor foundation and construction flaws
- The clients were made to spend millions of rupees on material for interior decoration
- We reinforced the foundation and utilized usable interior elements to help save money for the client
- The client lost a lot of time looking for the right architect, however, we ensured the completion of project ahead of schedule



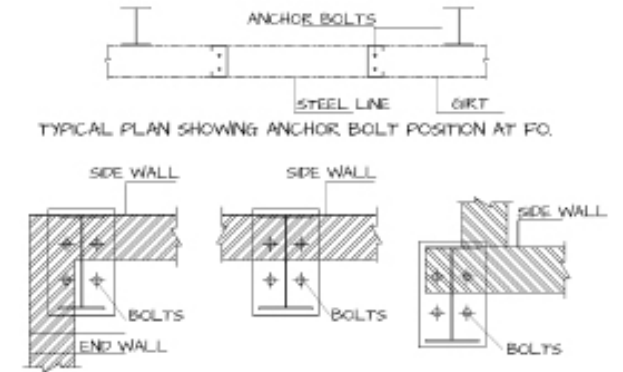
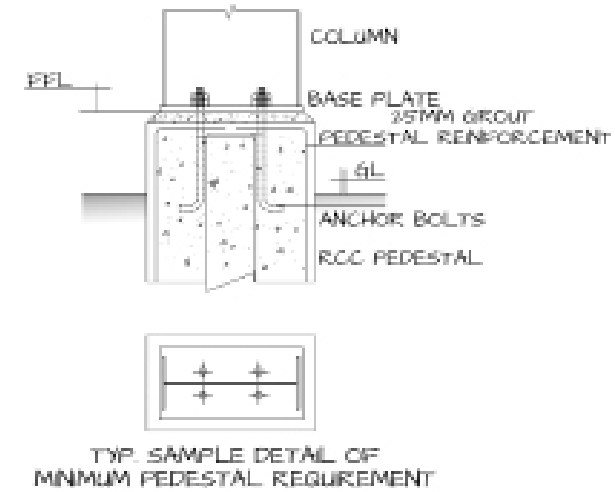


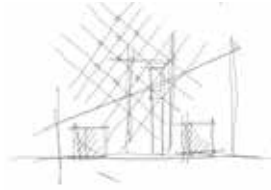
#SEVEN

WAREHOUSE

LOCATION - Landran, Punjab, India  
PROJECT TYPE - Professional  
ROLE PLAYED - Client interactions, site visits

- Warehouse for Amazon and Godrej
- First experience with warehouse design for the firm
- My responsibility was to accompany the engineer to see if the contractors were executing the construction as per drawings





#EIGHT

SINGH'S

LOCATION - Chandigarh, India

PROJECT TYPE - Professional

ROLE PLAYED - Client interactions, conceptualization, planning, 3D modeling, rendering, site visits, consultant interactions, purchasing

SOFTWARE / TOOLS - AutoCAD, Sketchup, Lumion, Microsoft suite

- Residence for a family of three members
  - Consisting of three levels
  - Due to a small plot the planning is done in a vertical manner
  - Each floor has a bedroom with children's bedroom on the third level
- The elevator, staircase and double height entrance lobby connect the different function visually and physically

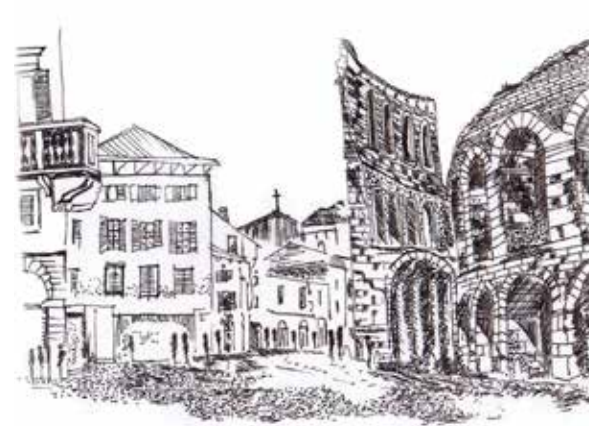




#NINE

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SKETCHING



SOFTWARE / TOOLS - Pen, pencil, fuji colors, sketchbook, Procreate, Autodesk Sketchbook, A360, Concepts

- My love for travel, sketching and food has evolved my personality tremendously
- Sketches are evolved in pencil and ink on paper or digitally using Procreate.
- I have used these applications to my advantage architecturally. this helps me to sketch, design and present ideas and drawings while meeting professionals
  - Additionally, help explaining design while screen sharing
  - Allows me to work on my projects in office even if I am travelling for work



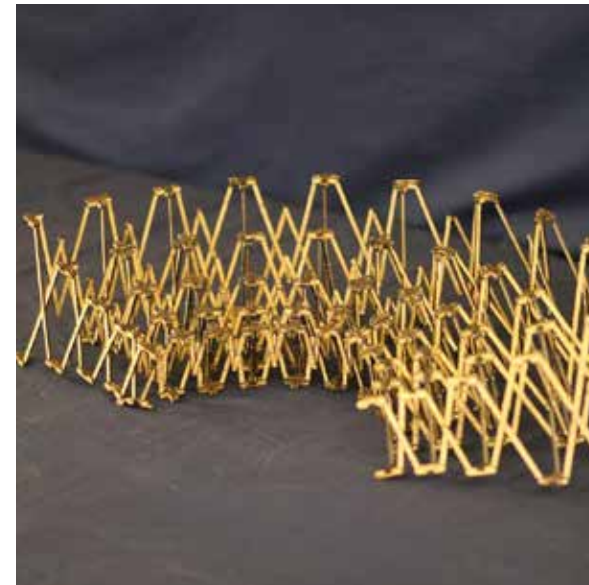
#NINE.1

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## PRODUCT DESIGN

SOFTWARE / TOOLS - AutoCAD, Rhino, Photoshop, CNC Machine, Vacuum Former, Woodshop - hand & machine tools, Laser Cutting

- My love for fabrication and details in the design process inspired me to explore and create furniture, deployable structures and other products to enhance activities.
- Japanese joinery and construction techniques are explored extensively.



# RITVIKA LUTHRA

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