

# AGRAWAL STRUCTURAL CONSULTANTS

Every day we work harder to make our today  
better than yesterday;  
So that our tomorrow is better than today.

- Gaurav Agrawal, Founder & CEO

## PORTFOLIO



AGRAWAL  
STRUCTURAL  
CONSULTANTS



## HISTORY

Passed SSC with 99%

**March 2014**

Passed JEE Adv with AIR 13 PwD

**July 2014**

Graduated IIT Bombay B. Tech Civil

**Aug 2018**

Graduated from UMD as MS Structures

**Oct 2020**

Joined as Graduate Structural Engineer at  
Walter P Moore DC office

**July 2023**

Joined as Grade 3 Structural Engineer at Arup Mumbai

**Dec 2023**

Founded ASC

**Oct 2024**

**March 2012**

Passed HSC with 92%

**May 2014**

Entered IIT Bombay

**May 2018**

Entered Univ of Maryland

**May 2020**

Joined as Bridge Engineer at VDOT

**Apr 2022**

Moved back to India

**Sept 2023**

Resigned from Arup

**Feb 2024**

Joined as Visiting Faculty at Rizvi  
College of Arch, Bandra, Mumbai



**YOUNG ACHIEVERS' AWARD 2024**  
India's Most Coveted Award  
 Recognising Achievements Since 2000

presented to

**Gaurav Ajay Agrawal**  
 Founder & CEO  
 Agrawal Structural Consultants

In Recognition of Outstanding Professional Achievement & Contribution towards Nation Building

  
 Harish Chandra  
President


  
 S. Ravi Shankar  
Hon. Secretary



**INDIAN ACHIEVERS' FORUM**  
Promoting Achievements which Inspire Businesses & Communities


iafindia.com

Regd No. IAF/2024/V/1/II

Government of Maharashtra  
 Town Planning & Valuation Department  
 License Registration of Technical Person

Certificate No. : STATE/R/2024/APL/11265  
 Approval Date. : 13/02/2024  
 Validity Date. : 31-12-2026



**CERTIFICATE**


This certificate of license is hereby granted to Mr/Ms/Mrs **GAURAV AGRAWAL, 1701, VIRAAJ, FILM CITY ROAD, RIDDIHI GARDEN, MALAD EAST, MUMBAI-400097** in response to his/her application dated 08-02-2024 to carry out work as Structural Engineer in pursuance of Regulation No. 2.2.1 of UDCPR, within State of Maharashtra as per scope of Competence /Duties and Responsibilities, as mentioned below

**1. Competence :-**

- i. To prepare the structural design, calculations and details of all buildings and carry out verification of reinforcement as per stages of work.
- ii. To carry out structural audit / structural condition survey of the existing / old buildings.

**2. Duties and Responsibilities :-**


- i. All structural layouts and structural design related with plan and development on the basis of details received from architect / owner / builder / developer / geo technical consultant.
- ii. Whereverrequired, structural engineer shallavail theservices /advice of Geotechnical Engineer.
- iii. Provide lists of tests to be carried out at each stage of work and allow the further work only after satisfying with the same.
- iv. To verify the structural elements in compliance with structural drawings.
- v. To document the site visit report mentioning therein the deviation / lapses, if any,in respect of structural elements designed by him and inform the same to the site engineer, owner / developer, architect / licenced personnel for rectification required.
- vi. He shall be responsible for the adequacy of the structural design in compliance with BIS code and plans received from architect/ owner/ builder/ developer
- vii. The structural engineer will advise owner/ builder/ developer to appoint formwork cocoordinator (FWC) and same shall be employed by the owner/ builder/ developer for the project.
- viii. Certificate of structural design adequacy at the time of completion.



**Signature valid**  
 Digitally signed by SONAM RAJU PANDE  
 Date: 2024.03.07 13:09:51 PDT  
 Reason: Approved Certificate Location:

Assistant Director Town Planning,  
 Directorate of Town Planning,  
 M.S.Pune,

Scan QR code for verification of authenticity



AM3117467



**The Institution of Engineers (India)**

**MEMBERSHIP CERTIFICATE**

**This Certificate of Associate Member is Granted to GAURAV AJAY AGRAWAL**

on Sixth day of  
 March Two Zero Two Four

In witness where of the said Institution has caused its Common Seal to be affixed on this  
 Sixth day of March Two Zero Two Four

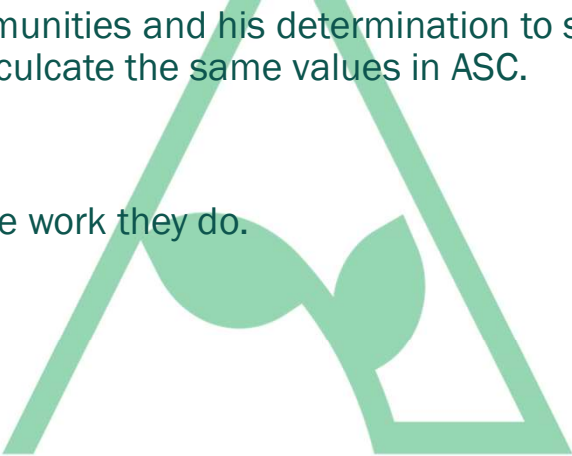



Secretary and Director General

Note: This is a e-certificate auto-generated by system hence valid without signature.

# Values

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- I. Gaurav's vision to shape communities and his determination to save the environment have driven him to start ASC and inculcate the same values in ASC.
  - II. Ethics
  - III. Pride and Accountability for the work they do.
  - IV. Professionalism
  - V. Love for challenges
  - VI. State-of-the-art technology
  - VII. Automation in his daily work.
  - VIII. People, Planet and Profit
- 

# Services

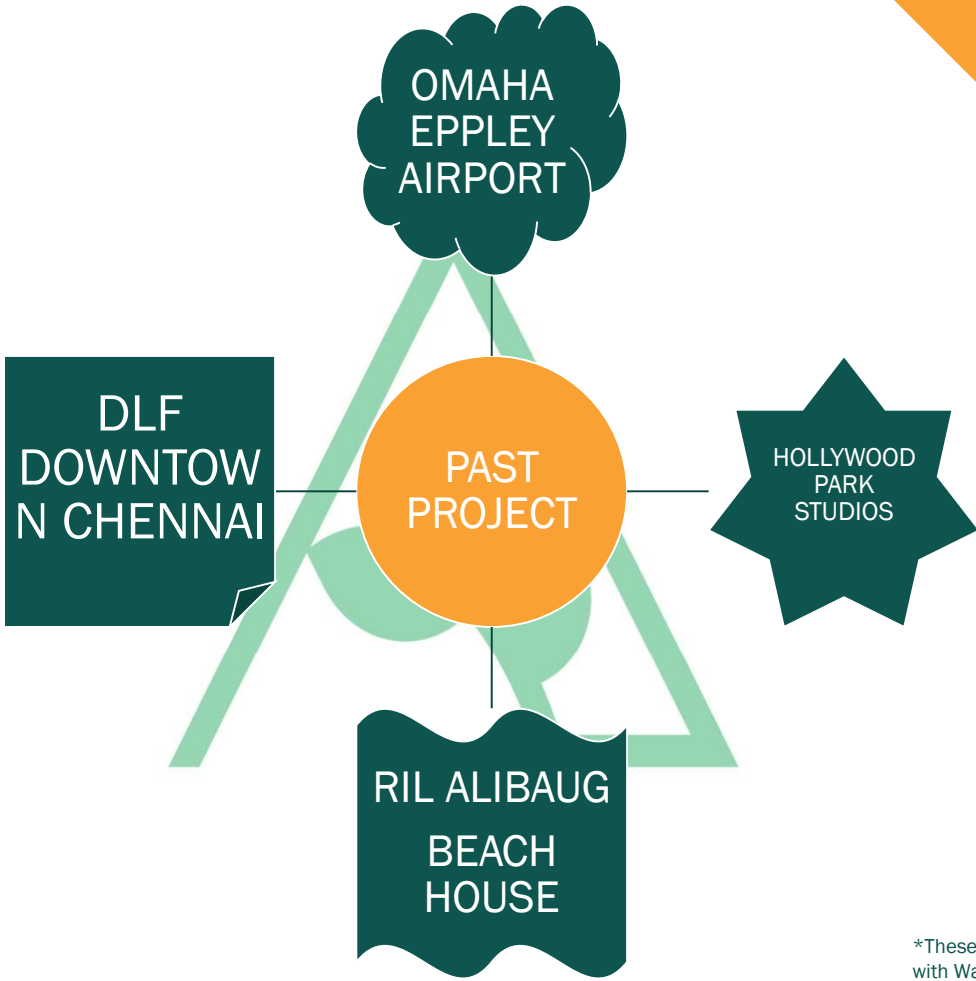


CLASH DETECTION USING BIM 360



# Projects

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\*These projects were part of Gaurav's employment with Walter P Moore and Arup

\*Gaurav was at WPM when he worked on this project

# OMAHA EPPLEY AIRPORT

- Gaurav was the foundation engineer on the project & prepared the SAFE model for foundation design.
- **Gaurav incorporated the Architect's vision of column positions by modifying foundations and using them to maximum efficiency.**
- Gaurav designed the 400 piles by reducing diameter, Grade beams, and other foundation elements of this project and saved millions of dollars
- Pile caps and grade beams were checked and designed manually by Gaurav.
- Apart from the foundations, Gaurav also worked on designing base plates and anchor reinforcement where required.
- Gaurav also calculated flat roof snow drift along parapet edges and popups.
- He prepared a snow drift load key plan to systematically convey the information.
- Gaurav also prepared a load key plan to convey different slab loading and cladding loads.
- Gaurav also drafted other plans along with the technician. Markup preparation and coordination were part of his daily job but he also worked on the REVIT model from time to time which improved his REVIT skills.
- Gaurav also prepared construction details.

\*Gaurav was at WPM when he worked on this project

# HOLLYWOOD PARK STUDIOS

- Gaurav provided the lateral and gravity design of the stages on this project while he was working at Walter P Moore.
- Stages in Film Studios term is the name of different buildings where shooting is performed. It's mostly a single-floor building and may have a pre-fab steel mezzanine if required.
- Gaurav designed the Special Reinforced Shear Walls on this project as this was in a heavy seismic area using RAM Elements and hand calculations.
- **Gaurav incorporated the Architect's vision of various architectural concrete layer types by detailed analysis of each wall panel thereby doing value engineering to save money.**
- Gaurav designed vertical reinforcements for out-of-plane forces and designed horizontal reinforcement for in-plane forces.
- Boundary elements were not required.



\*Gaurav was at Arup when he worked on this project

# RIL ALIBAUG BEACH HOUSE

- The project contained 11 major residential, service, and multi-purpose buildings. The project was in the concept to SD phase.
- The preliminary concept set by the architect dictated the use of concrete framing and concrete slab along with isolated and combined footing as determined by Gaurav and the team.
- Gaurav used ETABS primarily for superstructure design along with SAFE for foundation design.
- Gaurav manually prepared each building model in ETABS.
- And then the SAFE file was exported, and foundations were checked in SAFE.
- Gaurav used Bluebeam to create the initial framing plan.
- **Gaurav incorporated the Architect's vision of new last-minute column positions by reanalyzing & redesigning the structure to keep similar sizes.**

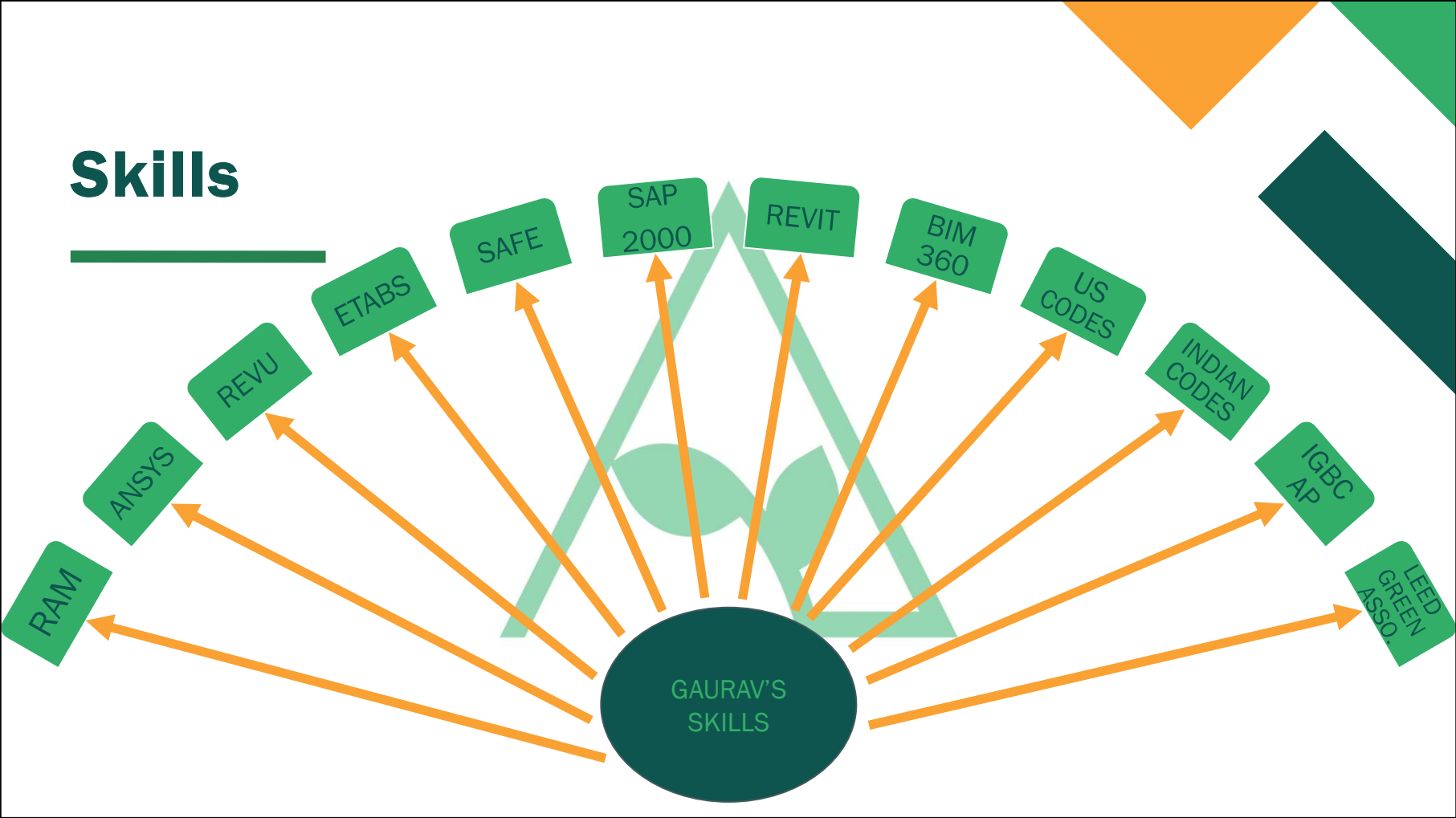
\*Gaurav was at Arup when he worked on this project

# DLF DOWNTOWN INFOPARK CHENNAI

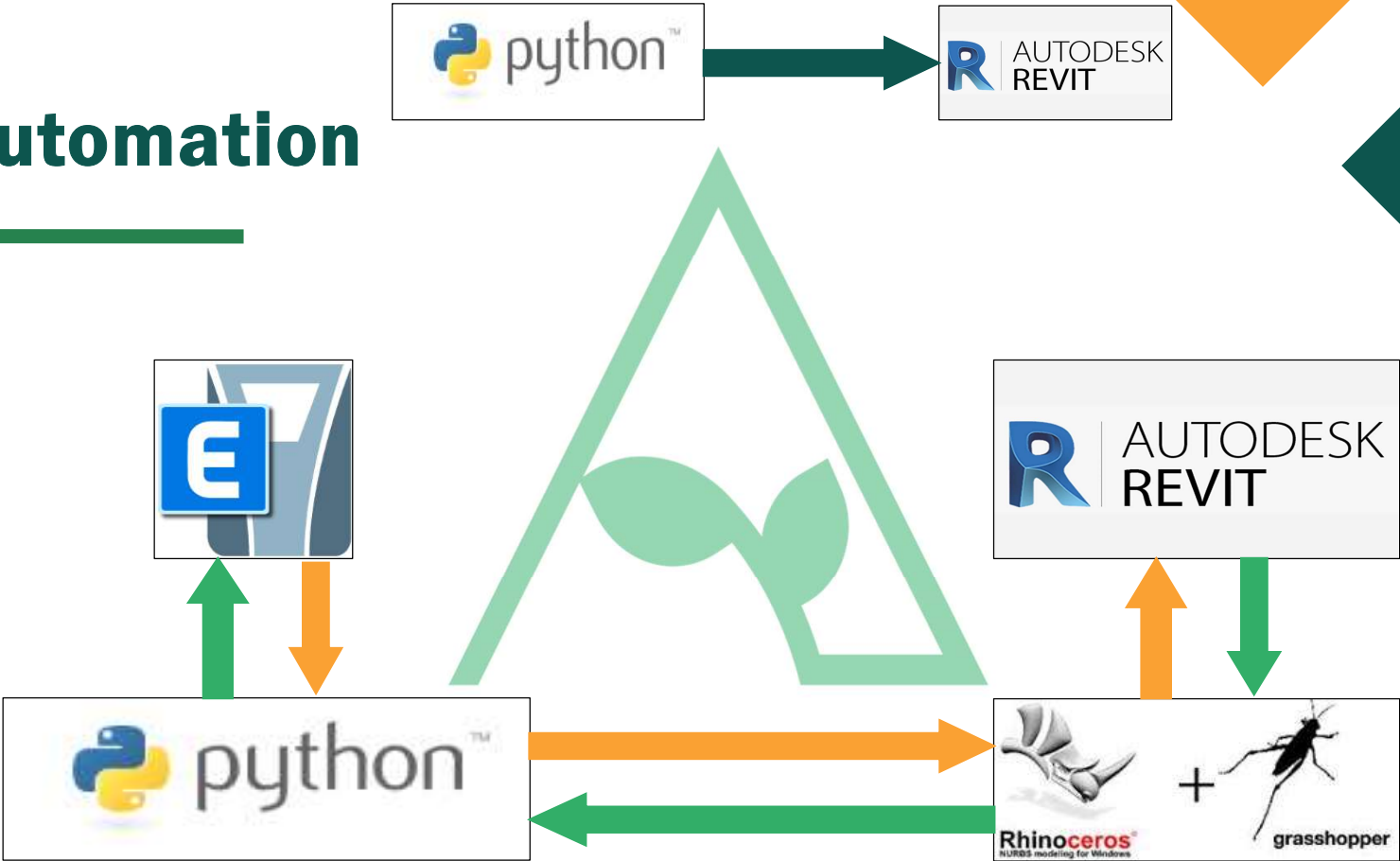
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- **Gaurav prepared the revised design for the new Entrance Gate to this residential system to make sure new solution is under client's reduced budget.**
- Gaurav prepared the design of every element in this structure from the foundations to the roof using the ETABS model and hand calculations.
- Gaurav also prepared markups for the plans for this gate and coordinated them with the drafter.
- Gaurav designed the roof slab and beams on the STP of this project.

# Skills



# Automation



# COMMUNITY SERVICE



ASC ORGANIZED PRABHADEVI BEACH CLEAN UP WITH MUMBAI PLOGGERS GROUP ON 28<sup>TH</sup> JAN 2024



GAURAV RECEIVED YOUNG ACHIEVERS AWARD 2024



GAURAV AS TFI VOLUNTEER

# COME COLLABORATE WITH US TODAY

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- If you are interested to know more, Let's Connect !!!
- Visit our new office in Malad West, Mumbai!!!
- Visit ASC on [www.agrawalstructuralconsultants.com](http://www.agrawalstructuralconsultants.com)
- Connect on [LinkedIn](#)
- Email [gaurav@agrawalstructuralconsultants.com](mailto:gaurav@agrawalstructuralconsultants.com)
- Or Call us on +91 84518 50882

