

VISHAL KOTHARI

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EXPERIENCE

The University of Texas at Arlington

Sept 2020 – Present

Graduate Research Assistant

Arlington, TX

- Performed soil laboratory tests including Triaxial Shear test, CBR test, Atterberg limit test, and Standard Proctor test on the Benbrook I-20 highway soil sample to obtain optimum moisture content ranging from 8% to 24%.
- Created and initiated a 3D - model of the geothermal house using SketchUp Pro to understand the working of the geothermal pipeline in different temperatures ranging from -10 to 40 degrees Celsius.
- Generated a 3D - energy model of a commercial building using Autodesk AutoCAD and Revit to evaluate the heat gain and heat loss using different materials like fly-ash concrete.
- Analyzed the functioning of geothermal bridge using insulated loops and developed walkthrough using Enscape 3D to visualize the location of insulated loops in the real atmosphere.
- Produced the isometric and 2D drawings of the freezer box and addressed the spatial representation of thermistor, thermocouple, and moisture sensor placed in pavement and sandy lean clay.

Urban Nouveau

Oct 2018 – Jun 2019

Junior Assistant

Stockholm, Sweden

- Coordinated and guided in the planning of architectural workshop regarding the assessment of square meter shop space utilization in the slum region of Mumbai and trained for the development of small spaces.
- Planned and scheduled workshops for around 400+ universities in India to spread awareness about diversity in the education of architecture and influenced students with informal education of architectural design.
- Mentored students about the history of Indian Architecture and the importance of it in real-life practice.

Architects' Combine

Oct 2016 – Apr 2017

Architecture Intern

Mumbai, India

- Prepared and drafted 3D rendered and technical drawings as per the building codes that included Gas Installations, Flooring, and Boxing Detail for the Borges Memorial Home, Mumbai, India.
- Monitored site inspection on a weekly basis, performed site meetings, and teamed to write minutes of meeting.
- Composed and illustrated handmade model of UMDAE Building, Mumbai to acknowledge the conceptual mass of the building orientation and implemented the changes in the drawings.
- Designed and spearheaded the interior of the TATA Hospital and Conference room of the Architect's Combine.

EDUCATION

The University of Texas at Arlington

Dec 2021 (Expected)

Master of Construction Management

Arlington, TX

Indian Education Society College of Architecture

Oct 2018

Bachelor of Architecture

Mumbai, India

OTHER

- Technical Skills:** 3ds Max, Adobe Photoshop, ArchiCAD, AutoCAD, Bluebeam Revu, Enscape 3D, Lumion, Microsoft Office Suite, Microsoft Project, Primavera P6, Procore, Revit, Sage Timberline, Sketchup, Vu 360
- Publications:** Co-Authoring the book "Admitted: The Book"
- Languages:** English (fluent), Hindi (native)
- Certifications:** ASCE (CI's Student Days 2020 Webinar), CMIT, OSHA – 30, Procore
- Certifications (In progress):** LEED Green Associate (March 2021), CAPM (Aug 2021), EIT (December 2021)