

# VISHAL KOTHARI

vishal.kothari@mavs.uta.edu | +1 (682) 2721208 | Arlington, TX | linkedin.com/in/arvishalkothari/

## EXPERIENCE

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### 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

- Co-ordinated and guided in the planning of architectural workshop regarding the assessment of 1 square meter shop space utilization in the slum region of Mumbai and trained for the development of small spaces.
- Planned and scheduled the workshops for around 400+ universities in India to spread awareness about the diversity in the education of architecture and influenced students with informal education of architectural design.
- Mentored the 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 3d 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

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### 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

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- **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-Authored in 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)