
EDUCATION

- Master of Science in Construction Management
[The University of Texas at Arlington](#)
- Bachelor of Civil Engineering
[Dr. BAMU UNIVERSITY, INDIA](#)

August 2021-May 2023
GPA:3.83/4.0
August 2016 – December 2020
GPA: 3.2/4.0

PROFESSIONAL EXPERIENCE

[Research Assistant](#) | [UTA Research Institute](#) | [Fort Worth, Texas, United States](#)

May 2022 -Present

- Managed the operations for the university's Accelerated Pavement Testing Facility (APT).
- Worked with Simpsons Strong-Tie Company in the build of geogrid-reinforced asphalt test sections.
- Collaborated with the Texas Bit team in the construction of asphalt test sections to determine optimal pavement design.
- Managed the maintenance and testing schedules of the testing lane in conjunction with the TxDOT team.
- Instrumented asphalt testing sections with strain gages, moisture, and temperature sensors to gather data for analysis.
- Participated in a collaborative project to map cracks and perform Light Weight Deflectometer (LWD) testing.
- Responsible for the (PTM) pavement testing machine's technical upkeep.

[Site Engineer](#) | [Lalit Builders](#) | [Latur, Maharashtra, India](#) |

January 2021 – June 2021

- Implemented BIM and CAD technologies to streamline design processes and facilitate construction.
- Leveraged BIM and CAD technologies to create efficient and accurate design models for construction.
- Ensured accuracy and compliance of BIM models through quality assurance and quality control checks.
- Generated 2D drawings using AutoCAD to enhance design accuracy and integrate drawings and BIM models.

[Site Engineer](#) | [Lalit Builders](#) | [Latur, Maharashtra, India](#) |

May 2020 - August 2020

- Developed contract documents with specifications and drawings for subcontractors and vendors.
- Conducted site walk-throughs and progress visits, while creating and managing project budgets, preparing variance reports, and overseeing change order packages.
- Prepared cost estimates for various stages of design, ranging from schematic and budget to detailed quantity take-off and material pricing.
- Prepared comprehensive material submittal bid packages for the procurement process.
- Created and maintained a cost database to facilitate future estimation and budgeting efforts.

PROJECTS

• [Ground Water Quality Control](#)

Conducted regular water quality testing and monitoring to ensure compliance with regulations and standards. Prepared reports and presentations on project findings and recommendations for improvement.

• [NANO materials in the construction industry](#)

The properties and behavior of nanomaterials, testing their compatibility with different types of construction materials, and analyzing the potential benefits and challenges of their use in the industry.

• [An underground metro station's excavation, equipment choice, hauling, and methodology.](#)

Amounts of materials to be removed from the substructure were calculated after analyzing site conditions by the designs. Based on the specific needs of the location, the right equipment type and number were chosen.

Developed a plan for transporting and disposing of the excavated items at the disposal location.

• [Creating a Cost-Loaded Schedule for a Single-Story Residential Building](#)

Comprehending the technical requirements for the project's necessary materials after analyzing site blueprints. Using Bluebeam to conduct a quantity take-off for a project to build a single-story multifamily building. Employed RS Means to calculate labor productivity and the cost of goods from subcontractors. Using Primavera P6, we created a cash flow prediction and a cost-loaded schedule for the project.

SKILLS AND SOFTWARE

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|--------------------------|------------------------|--------------------|
| • AutoCAD Civil | • Microsoft Excel | • Quality Control |
| • Revit | • Microsoft Word | • Log Pro Omega |
| • P6 Scheduling Software | • Microsoft PowerPoint | • Estimation |
| • Bluebeam Revu | • Windaq | • Scheduling |
| • Micro station | • Quality Assurance | • Project Planning |

ACADEMIC ACHIEVEMENT

- Certified Construction Manager-in-Training by the Construction Management Association of America
- Awarded Governor's Award for Scout and Guide (March -2012).
- Ex-Secretary of the National Service Scheme (NSS) controlled by the Government of India. (June 2018-May 2020)