

# RITIK PRAFUL JAIN

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## EDUCATION

**Master of Construction Management – The University of Texas at Arlington, Arlington, TX** Aug 2023 – May 2025

**Courses:** Construction Planning & Scheduling, Building Information Modeling, Construction Methods - Field Operations, Construction Cost Estimating, Construction Finance, Risk Management, Construction Productivity & Value Engineering, Construction Contracts Specification and Project Administration, Construction Project Acquisition, Construction Materials.

**Bachelor of Architecture – Savitribai Phule Pune University, India** Aug 2017 – Jun 2022

## WORK EXPERIENCE

**Volunteer Project Estimator – The University of Texas at Arlington, Arlington, TX** Jan 2024 – Dec 2024

- Prepared detailed cost estimates, bid proposals, and quantity takeoffs for commercial and infrastructure projects ranging from \$1M to \$50M.
- Analyzed construction drawings, specifications, and material costs, ensuring accurate cost projections with a variance of less than 3% from final project costs.
- Operated estimating software such as Bluebeam, Planswift, and Excel-based models to streamline calculations, reducing manual errors by 20%. Implemented WBS and CBS for project, optimizing budget forecasting and resource allocation.
- Coordinated pre-bid and contract negotiations, ensuring compliance and identifying cost risks and savings.
- Collaborated with project managers, engineers, and clients to refine estimates, evaluate design alternatives, and support value engineering efforts, achieving up to \$500K in savings per project

**Volunteer Research Assistant – CUIRE, Arlington, TX** Aug 2023 – Dec 2023

- Conducted comprehensive evaluations on performance metrics from more than 50 polymeric SIPP pipe burst tests; utilized findings to enhance testing protocols, ensuring superior quality assurance throughout all research activities.
- Facilitated in developing trenchless renewal techniques (CIPP, SAPL, slip lining), contributing to micro tunneling and HDD infrastructure evaluations, improving project scope accuracy, documentation, technical reporting; ensuring industry standards.

**Infrastructure Project Engineer – NMSCD Corp. Ltd; India** Jan 2023 – Jul 2023

- Managed a 20-acre, \$3.5M urban infrastructure project, overseeing 5 miles of roads, traffic control, and utilities. Led 25+ contractors, secured permits, and on-time completion.
- Scheduled tasks in Primavera P6, reducing delays by 12% with traffic control measures.
- Implemented Bluebeam Revu for digital plan management, improving communication by 25%. Optimized BIM models in Revit, cutting design conflicts by 15%. Saved \$112,600 through material reuse and contract renegotiation.
- Ensured QA/QC compliance, conducting asphalt tests and pavement inspections, maintaining a 100% safety record.

**Assistant Architectural Project Engineer – PDP Architects, India** Jan 2022 – Dec 2022

- Led a mid-rise - 180,000 sq. ft. mixed-use project (\$6M), managing RFIs, submittals, punch lists, and tracking logs, ensuring completion 10 days early. Optimized budget by 5% and improved resource allocation using Primavera P6.
- Created architectural drawings and 3D BIM models in Revit, reducing design conflicts by 20% and speeding up approvals.
- Chaired subcontractor meetings, tracked procurement, and ensured 98% on-time payments, improving workflow by 25% and achieving 95% client satisfaction.

**Architectural Intern (CPT) – PDP Architects, India** Jun 2021 – Jan 2022

- Presented conceptual, schematic, and design development, while managing closeout documentation and final inspections.
- Led minute meetings, coordinated with authorities for inspections, and developed design plans in AutoCAD and Revit.
- Drafted bid documents, specifications, schedules and drawings using cloud-based tools, reducing cost by 10% and errors by 15%.

## TECHNICAL SKILLS

**Softwares:** Autodesk Revit, ACC, BIM 360, Navisworks Manage, Bluebeam Revu, Primavera P6, HCSS Heavy Bid, Procore, AutoCAD, Trimble Sketchup, Photoshop, Enscape, STACK, Planswift, Fenestra Pro, Lumion, Twinmotion, Insight360, Microsoft Office Suit.

## ACADEMIC PROJECTS

**Construction Methods & Field Operations: Raw Water Pipeline Construction** Jan 2024 – May 2024

- Directed excavation and backfill operations for a 1.5-mile raw water pipeline project, using RS Means for cost estimation (\$150,000) and Caterpillar equipment for trenching, creating cost-effective trench designs and improving backfill efficiency.
- Created a three-phase work plan, optimizing equipment usage and labor productivity, reducing costs by \$25,000, and completing the project 2 weeks ahead of schedule.

**Construction Cost Estimating, Planning and Scheduling** Aug 2023 – Dec 2023

- Estimated project costs of \$450,000 for 2-acre residential land development using RS Means, covering grading, paving, drainage, and utilities, and developed a detailed bid form using Heavy Bid.
- Planned project schedules with Primavera P6, incorporating cost control, fluctuations and creating project timelines for site preparation, foundation work, and construction phases.

## CERTIFICATIONS

CMIT, OSHA 30, Autodesk Revit Certified, Procore Construction Management Professional Certificate.

## PROFESSIONAL AFFILIATIONS

- Student Member: **North American Society for Trenchless Technology** – Volunteered at 2024 No-Dig Show Conference, RI.
- Student Member: **Construction Management Association of America** – Attended North Texas Young Leaders Online Forum 2025.