



**Exponent**<sup>®</sup>  
Engineering & Scientific Consulting

## Aayush Goel

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### Professional Profile

Mr. Goel's construction industry experience is in construction management, project controls, claims analysis, and building information modelling. He has more than two years of experience working in project and program management on infrastructure, higher education, healthcare, and utility renovation projects. Mr. Goel manages costs, analyses financial and schedule variances, develops project summary dashboards, and implements project management information systems to improve project delivery outcome.

Before joining Exponent, Mr. Goel worked with AECOM as an Assistant Project Manager, where he helped manage a \$500M capital improvement bond program for construction projects on six college campuses in Texas. During his tenure, he reviewed GMP proposals, validated project scope, negotiated vendor proposals, evaluated payment applications, and produced monthly financial reports. He developed a project cost-tracking dashboard to enhance performance monitoring, budget management, and data and reporting accuracy.

Mr. Goel earned his M.S. in Construction Engineering and Project Management from the University of Texas at Austin, where he specialized in project controls, cost estimate and baseline schedule development, heavy equipment plan and procurement strategy development, and delay analysis. He also studied building information modelling, real estate advisory, quantitative data analysis methods, construction law, and infrastructure system management. He earned his B.S. in Civil Engineering from UPES in India, where he focused on infrastructure development.

### Academic Credentials & Professional Honors

M.S., Civil Engineering, University of Texas, Austin, 2022

### Academic Appointments

Awarded Graduate Teaching Assistantship, Department of Civil, Architectural, and Environmental Engineering, University of Texas at Austin, 2021 - 2022

### Prior Experience

Assistant Project Manager, AECOM, Texas

Graduate Teaching Assistant, University of Texas at Austin

Project Management Intern, UPES Govt. of Uttarakhand, India

Construction Management Intern, Larsen & Toubro, India

## Professional Affiliations

Project Management Institute (PMI)

Association for the Advancement of Cost Engineering (AACE)

Construction Management Association of America (CMAA)

US Green Building Council (USGBC)

## Project Experience

### Commercial

Supported program management team in managing a \$500M capital improvement bond program for 24 construction projects on six college campuses. Reviewed GMPs, pay applications, vendor/subcontractor proposals, and architects and engineers' billings. Produced monthly financial reports in Power BI after evaluating forecasted costs, cashflows, and change orders. Conducted technical training sessions to integrate project information management system to daily business processes and updated project documentation. Analyzed and reviewed contract documents to assist in construction claim resolution and mitigation of cost overruns.

### Science & Technology

Developed a Level 2 Cost and Basis of Estimate per AACE's recommended practices to forecast project budget. Formulated a Level 3 baseline schedule and Basis of Schedule, using Primavera P6, to estimate project durations. Designed heavy equipment plans, procurement strategy, and manpower histogram to attain maximum on-site efficiency. Performed As-Planned vs. As-Built analysis to quantify delays and categorize as compensable vs non-compensable.

### Healthcare

Assisted project management team in forecasting budget and quantities of a 200-bed multi-specialty hospital. Reduced contingency amounts by about 10% through developing detailed scope documents for the cost estimates. Managing structural steel schedule to reduce on-site wastage. Also developed a status monitoring dashboard in MS Excel to track real-time project progress.

### Infrastructure

Assisted general contractor in updating P6 schedules for India's first elevated 8-lane expressway of \$175M. Identified potential cost savings by suggesting alternate concrete procurement strategies. Reviewed and expedited RFI responses to resolve constructability issues. Prepared detailed productivity reports for upper management to assess progress on goals.