



Exponent[®]
Engineering & Scientific Consulting

Utkarsh Gupta

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Professional Profile

Mr. Gupta brings a strong foundation in project controls and structural engineering, with experience supporting infrastructure and utility projects through cost tracking, schedule coordination, and change order management. He managed RFIs, submittals, and stakeholder communications across multidisciplinary teams, ensuring smooth project execution on civic and utility-scale efforts.

He is highly analytical and data-driven, with a focus on translating large, complex datasets into clear, actionable insights. Whether working alongside engineers, project managers, or executive leadership, Mr. Gupta tailors reporting and visualizations to match the audience, enabling informed, efficient decision-making across project lifecycles.

Having previously worked as a structural engineer, he brings a deep appreciation for precision in both design and construction. He views value engineering not just as a cost-saving exercise, but as a tool to improve constructability and long-term performance. He understands how thoughtful design decisions must carry through to the realities of field implementation.

Mr. Gupta is passionate about improving outcomes in the utility and infrastructure sectors. He believes in solutions that are resilient, scalable, and future-ready - balancing technical rigor with practical, client-specific needs. He holds an MS in Civil and Environmental Engineering from Stanford University and a B.Tech. in Civil Engineering from IIT Delhi.

Academic Credentials & Professional Honors

M.S., Civil and Environmental Engineering, Stanford University, 2025

B.Tech., Civil Engineering, Indian Institute of Technology, 2022

Academic Appointments

Teaching Assistant, Civil and Environmental Engineering, Stanford University, 2024-2025

Publications

Gupta U, Andrade JE, Monfared S. Analysis of composite columns: granular material in-fill inside a confining annulus. Caltech Undergraduate Research Journal 2022.

Project Experience

Construction Coordination & Utility Interface

Supported a \$14.5M Channel Force Main Intertie project in San Francisco, focused on underground utility replacement as a Project Engineer Intern. Managed submittals, created RFIs, resolved design conflicts, and maintain progress. Developed daily work plans and production logs to support site execution and client reporting. Acted as a key liaison between utility stakeholders to coordinate shutdowns, service interruptions, and compliance with regulatory requirements. Ensured timely documentation, clear communication, and smooth field operations in a highly constrained urban environment.

Engineering Design and Value Engineering

Contributed to the Parliament Redevelopment Project in New Delhi, India as a Structural Engineer Consultant. Led a 4-member team in the structural redesign of a one-of-a-kind parabolic steel roof truss, achieving significant cost reduction through optimization and material efficiency. Strengthened alignment between engineering, architectural, and governmental stakeholders to ensure structural feasibility and approval for complex roof geometries in a high-visibility national project.