

# Priyank Godhat, E.I.T. (P.E Exam Passed)

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## EXPERIENCE

### HOK Group, Inc.

Structural Engineering Design Professional

Atlanta, GA

May 2022 - Present

- Primarily designed steel systems and post-tensioned (PT) structures for diverse range of projects.
- Produced and coordinated design drawings and managed construction administration phase.
- Developed tools & scripts to automate portions of design and documentation process, improving team efficiency.

## KEY PROJECTS

### DFW International Airport - Terminal Expansion | HOK

Dallas, TX

- Modeled & designed modular steel structure in ETABS for expansion of two existing terminals
- Developed a tool to optimize the column sizes for reducing doubler plate requirement at moment connections
- Designed & detailed CMU walls up to 26' height for impact loads and 150 mph wind speed
- Reviewed steel shop drawings, modular structure erection procedure, and deck & SOG rebar submittals

### High-rise Detention Facility (Jail) | HOK

United States

- Played a key role in designing and issuing drawings for a facility with construction cost exceeding \$3 billion.
- Generated base plate design for over 100 columns, incorporating innovative stiffener solutions to manage extremely high gravity loads on relatively thin base plates.
- Developed a system of laced double WF transfer girders to meet stringent deflection and clearance requirements.
- Led the design & coordination of a circular ramp, creating detailed drawings to address anticipated field challenges
- Engineered a horizontal truss to resist 300 kips of forces due to vehicular impact at the elevated deck level

### University of Miami - Medical School | HOK

Miami, FL

- Modeled and designed a post-tensioned (PT) floor system for a 17-story building using ADAPT Builder.
- Designed & detailed PT transfer girders and 80 ft span PT girders to support terrace garden with high live loads.
- Engineered cantilever slabs spanning 20-25 feet using PT tendons to mitigate long-term deflections.
- Developed a floor-to-floor truss system comprising PT girders and columns to minimize floor vibrations.

### University of Michigan - Clinic Inpatient Hospital | HOK

Ann Arbor, MI

- Assisted in construction administration of a high-rise hospital with \$900m+ in construction cost.
- Collaborated with the construction team to develop engineering solutions for field construction challenges.
- Reviewed submittals for steel, concrete, and rebar and responded to RFIs in a timely manner.

## TECHNICAL INNOVATION & AUTOMATION

- ETABS Copilot:** Built an AI agent that converts plain English commands (ex. Assign 80 psf liveload on storey 4) into ETABS operations via LLM integration, reducing modeling time by 30-40 % for repetitive tasks.
- Design Code Chatbot:** Developed a tool for natural language queries of structural codes (ASCE 7, AISC, ACI 318), reducing code lookup time from 5+ minutes to under 30 seconds for each search.
- ETABS Sync Plugin:** Created a custom plugin to compare and sync ETABS model files (similar to "Sync with Central" in REVIT), eliminating 2-3 hours of manual comparison per project phase.
- Computational Design Scripts:** Developed Grasshopper scripts to do the parametric study in the early design phase, iterating 700+ options to achieving 15% steel tonnage reduction.

## EDUCATION

### Georgia Institute of Technology

M.S. Structural Engineering, GPA : 4.0/4.0

Atlanta, US

Aug. 2021 - Dec. 2022

### Birla Institute of Technology and Science, Pilani

Bachelor of Engineering Civil Engineering, GPA : 8.86/10

Rajasthan, India

Aug. 2017 - Jul. 2021

## TECHNICAL SKILLS

**Softwares:** SAP 2000, ETABS, RAM SS, ADAPT Builder, ENERCALC, SAFE, Hilti Profs, Revit, MathCAD

**Certification:** FE/ EIT - Conformation ID: 22-495-07. [Verification Link](#)

**P.E. Exam** Passed for the state of Florida. Expected to receive the license by Nov 2025.