

Vidhi Gaoupale

Experiences

BuildSafe Engineers | Structural Engineer

Nov 2021 – Nov 2022

- Conducted structural integrity assessments and load analysis for various construction projects.
- Prepared detailed structural drawings and ensured compliance with engineering codes.
- Led seismic design efforts and supervised foundation design for large scale buildings.

DesignTech Solutions | Construction Engineer

Dec 2022 – Present

- Coordinated structural modeling and finite element analysis to optimize designs.
- Collaborated with teams on construction materials selection and evaluated structural stability.
- Managed construction planning, ensuring projects adhered to safety regulations and budgets.

Projects

High Rise Building Design

[GitHub](#)

- Led the structural design team for a 40 story building, ensuring it met safety standards.
- Utilized advanced structural optimization techniques to reduce material and construction costs.
- Conducted extensive structural health monitoring during construction to guarantee safety.

Bridge Rehabilitation Project

[GitHub](#)

- Oversaw the rehabilitation of an aging bridge, including structural modifications.
- Conducted comprehensive structural condition assessments and implemented retrofitting measures.
- Ensured compliance with all geotechnical analysis and construction regulations.

Education

Bachelor of Technology (BTech) Civil Engineering,
G. H. Raisoni College Of Engineering

CGPA: 9.20

Skills

- Structural Engineer
- Structural Analysis
- Civil Engineering
- Construction Engineering
- Building Design
- Structural Integrity
- Load Analysis
- Structural Calculations
- Engineering Codes