

CHERISH PATEL

CONTACT

Address : Arlington, TX 76013

Phone : +1 (817) 729-7445

Email : cherishpatel3001@gmail.com

LinkedIn : linkedin.com/in/cherish-patel

LANGUAGES

- Gujarati
- Hindi
- English

SKILLS

- Structural Simulation (ETABS, SAP2000 & STAADPRO)
- Image processing & Graph plotting (MATLAB)
- Finite element modeling (ABAQUS & ANSYS)
- Proficiency in CAD software (AUTOCAD & REVIT, SKETCHUP)
- Financial analysis and management including risk assessment and capital budgeting techniques.

HOBBIES AND INTERESTS

- Multiplayer sports (Cricket, Kabaddi, Tennis)
- Stock enthusiast
- Travel explorer
- Casio keyboard (Performer)

WORKSHOPS AND COURSES

- Building Information Modeling (BIM) using Revit Training - January 2022
- Introduction to Python - August 2022
- Staad Pro - October 2022
- Advanced ETABS Modeling Techniques Training - June 2023

EDUCATION

Master of Engineering: Civil Engineering (Specialization in Structures & Applied Mechanics), Expected in May 2025
The University of Texas At Arlington - Arlington, TX

Bachelor of Technology: Civil Engineering, August 2019 - May2023
Nirma University - Ahmedabad, Gujarat, India
CPI: 7.31/10

ACADEMIC PROJECTS

Investigated the relationship between pedestrian behavior, urban road design, and traffic flow to improve pedestrian safety.

- Analyzed pedestrian behavior and traffic flow on a major urban roadway in Ahmedabad, India.
- Identified correlations between illegal pedestrian crossings and accident risks.
- Developed a conceptual roadside design proposal using SketchUp software to enhance pedestrian safety.

Conducted research on implementing advanced passive control systems (dampers, bracing) in earthquake-resistant building designs.

- Analyzed the effectiveness of various dampers (air, elastomer) using shake table experiments and software simulations.
- Observed significant reductions in maximum story displacement (20-42%) when using dampers and bracing compared to conventional designs.
- Demonstrated the potential of passive control devices to improve building resilience against seismic loads.

WORK EXPERIENCE

Site Engineer, May2022 - July 2022

Sky Infra - Ahmedabad, Gujarat, India

- Delivered projects on time and within budget constraints by effectively managing resources, schedules, and risks.
- Facilitated construction by mapping out utility installations and establishing reference points, grades and elevations.
- Enhanced site safety by conducting regular inspections and enforcing strict adherence to safety protocols.
- Estimated materials costs and sourcing requirements for project feasibility.
- Reduced material waste through accurate estimation, procurement, and usage tracking of required resources.