

Diya Pujara

23BCL011@sot.pdpu.ac.in, pujara.diya38@gmail.com | +91 6353474872 | <https://www.linkedin.com/in/diya28/>

EDUCATION

Pursuing Bachelor of Technology in Civil Engineering Pandit Deendayal Energy University, Gandhinagar, GJ, India	(Aug. 2023 – Present)
Foundation Program in Interior Designing Centre for Environmental Planning and Technology (CEPT) University, Ahmedabad, GJ, India	(Oct. 2022 – July 2023)

EXPERIENCES

Research Intern, Indian Institute of Technology (IIT) - Gandhinagar, Gujarat	(May 2025 – June 2025)
<ul style="list-style-type: none">Conducted an experimental study on quality assessment of 3D concrete printing using electrical resistivity measurements to evaluate the effects of geometry, time, temperature, compaction, and interlayer bonding on material performance.Analysed manually cast and 3D-printed concrete layers using resistivity testing and Ultrasonic Pulse Velocity (UPV) to identify interlayer defects, demonstrating significantly higher resistivity in poorly bonded layers and validating resistivity as an effective quality-control metric.	
Research Intern, Arizona State University (ASU), Tempe, AZ, USA	(June 2024 – July 2024)

ACADEMIC PROJECTS

Field Work at Mahatma Gandhi Aashram, Ahmedabad, GJ, India	(Nov. 2022 – Jan. 2023)
<ul style="list-style-type: none">Conducted detailed site measurements and prepared accurate plans, sections, and elevations as part of a 10-member team, contributing to a comprehensive understanding of project scope.Developed scaled physical models of the site at 1:50 and 1:100, demonstrating precision in spatial interpretation and visual representation.	
Sketching and Designing Visual Story of the Wharf (Ghats) of Ganga River, Varanasi, UP, India	(Jan. 2023 – Feb. 2023)
<ul style="list-style-type: none">Conceptualized and delivered a final project documenting the lives of children on the Ghats, presented through a comic-style visual narrative, demonstrating creative storytelling and social observation skills.Led a team-based project on the Ganga River wharf (Ghats) in Varanasi, independently defining the project theme and research direction as Team Leader.	
Mapping at Kalupur Area, Ahmedabad, GJ, India	(Mar. 2023 – Apr. 2023)
<ul style="list-style-type: none">Developed a comprehensive area map, demonstrating proficiency in cartography and spatial analysis.Executed a project analysing local waste management systems, highlighting environmental awareness and problem-focused planning.	
Field Workshop at Sankalan Foundation, Bhuj, GJ, India	(May 2023 – June 2023)
<ul style="list-style-type: none">Gained hands-on experience with multiple construction techniques through practical fieldwork as part of a 3-member team, strengthening technical understanding and on-site proficiency.Authored a comprehensive technical book documenting construction processes, demonstrating the ability to clearly communicate complex engineering concepts.	
Building and Testing of a Bridge Structure	(June 2023 – July 2023)
<ul style="list-style-type: none">Led a load-bearing assessment by incrementally applying bricks to evaluate structural capacity, overseeing testing and data observation as Team Leader.Rebuilt and reinforced the structure after failure, implementing design adjustments to improve load-bearing performance and structural stability.	

SKILLS

Technical Skills:	AutoCAD, Adobe InDesign, Microsoft Office
Soft Skills:	Sketching, Drawing, Field Work, Teamwork, Time Management, Adaptability

ACHIEVEMENTS AND CERTIFICATES

- Winner, PORECON Challenge 2025 (PS: Pervious Concrete Fabrication & Testing), CEPT University - Apr 2025
- Finalist, Concrete Catalyst- Igniting Innovation in Concrete, 2026
- Cleared National Aptitude Test in Architecture (NATA), India (National Level Exam) - June 2022
- 94.08 percentile in Joint Entrance Examination (JEE) Main – Architecture, India (National Exam) - July 2022