

Parth Shah

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SUMMARY

I am dedicated to my work, with a focus on engineering innovation, construction management, and financial management. My goal is to enhance project efficiency through effective team building and innovative solutions, while ensuring positive outcomes for the community. I aim to apply my skills to drive successful projects and improve industry practices.

INTERNSHIP

PSP Project Pvt. Ltd. Ahmedabad, Gujarat

Civil Trainee (1 Month, June 2021 – July 2021)

Gained practical site experience, Execution process, Quantity Estimation, Quality Control, Cost Estimation

Hi-Tech Project Pvt. Ltd. Ahmedabad, Gujarat

Management Trainee (2 Month, May 2025 – July 2025)

Gained hands-on exposure to high-rise construction logistics, planning, scheduling and quality control through large-scale project and on-site management.

EDUCATION

Masters in Construction Engineering & Management (2024-2026) * Currently Pursuing

CEPT University | GPA Sem 1 – 3.1 / 5.0 | GPA Sem 2 – 3.4 / 5.0 | GPA Sem 3 – 3.3 / 5.0

Bachelor of Civil Engineering (2021-2024)

Nirma University | C. G. P. A. – 8.06 / 10.00

Diploma in Civil Engineering (2018-2021)

Govt. Polytechnic, Ahmedabad | C. G. P. A. – 9.29 / 10.00

Gujarat Secondary & Higher Secondary Education Board– 10th (2018)

Asia School | Percentage – 79.5%

SOFTWARE SKILLS

Navisworks | MS Project | Primavera 6 | Power BI | AutoCAD | Revit | MS office | MS Visio

AREA OF INTEREST

Interested in Project Management, Planning, Execution, and Project Monitoring & Control. Also focused on Risk Analysis and Sustainable Construction. Skilled in budgeting, resource optimization, and practical problem-solving

PRIME ACADEMIC PROJECTS

1. Integrated Construction Practice of High-Rise Commercial Tower (Studio III) | CEPT University (July 2025 – Nov 2025)

This studio applied Integrated Construction Practices (ICP) by integrating BIM and Lean Construction for a high-rise commercial tower in GIFT City, simulating a real-world delivery environment through coordinated digital workflows and stakeholder-driven planning. The studio enabled hands-on learning in BIM–Lean integration, LOD 300–400 modelling, clash detection, model-based BOQs, 4D–5D simulations, and Lean-based execution and site logistics planning. (Portfolio Link: [Studio-3](#))

2. Execution, Monitoring & Control for Redevelopment of Railway Station (Studio II) | CEPT University (January 2025 – May 2025)

Conducted a comprehensive redevelopment study of a railway station, focusing on construction execution strategies through pour planning aligned with structural sequencing and logistics constraints. Developed detailed material and inventory management workflows. Evaluated quality control processes, including inspection test plans (ITPs), checklists, and non-conformance tracking. Performed Earned Value Analysis (EVA) using Primavera P6 and Microsoft Project to monitor schedule and cost performance indices (SPI/CPI), and forecasting project life cycle accurately. (Portfolio Link: [Studio-2](#))

3. Feasibility study for Redevelopment of Residential Apartment (Studio I) | CEPT University (July 2024 – Nov 2024)

Conducted a comprehensive feasibility study for the redevelopment of a dilapidated residential apartment in Ahmedabad. The study included analysis of the project context, demand, stakeholder needs, and risks, along with evaluating financial viability and procurement strategies. Additionally, a project schedule was developed, and the best options were selected using a structured decision-making approach. (Portfolio Link: [Studio-1](#))

4. Thermal Insulating Sustainable Concrete | Nirma University (Jan 2024 – June 2024)

Research was carried out to design and optimize a lightweight, sustainable concrete mixture incorporating materials like LECA, SFA, micron balls, and pumice stone. The study assessed its physical, mechanical, and thermal properties to evaluate its potential for real-world applications. Additionally, aluminium bubble sheets were explored as an effective thermal insulation solution. The findings aim to advance the use of eco-friendly materials in construction.

5. Thermal Insulating Concrete | Nirma University (May 2023 – Dec 2023)

The research focused on analyzing the physical, chemical, and mechanical properties of Sintered Fly Ash aggregates (SFA) and Polypropylene (PP) fibers, as well as the mechanical characteristics of Thermal Insulating Concrete (TIC). It explored TIC's role in stabilizing indoor temperatures, minimizing HVAC dependency, and its potential applications in energy-efficient construction.

6. Rain Water Harvesting Techniques | GTU (Dec 2020 – Apr 2021)

An assessment was conducted to evaluate the performance of different rainwater harvesting methods and their suitability for sustainable water management. The study focuses on identifying the most efficient techniques for collecting rainwater. It provides valuable insights for optimizing systems in both residential and commercial applications, contributing to water conservation efforts.

CONFERENCES
ATTENDED

- 1. 3rd International Conference on Construction Materials and Structures (ICCMS) | IIT Tirupati | 2025
- 2. 8th International Conference on Construction, Real Estate, Infrastructure, and Project Management (ICCRIP) | NICMAR University | 2024
- 3. National Seminar on “Emerging Trends in Space Technology – Soil to Sky” | Nirma University | 2023

ACADEMIC
ACHIEVEMENTS

- 1. 3rd Position in Bridge Fabrication, National Level Technical Symposium (NIRMAN 2022) | Nirma University | 2022
- 2. Placement Coordinator | CEPT University | 2025-2026
- 3. Teaching Associate | CEPT University | 2026
- 4. Program Ambassador | CEPT University | 2026

PROFESSIONAL
SKILLS

- Project Management
- Technical Skills
- Software Skills
- Leadership & Team Coordination
- Communication Skills (Public Speaking, Presentation skills)

PERSONAL
DETAILS

Date of Birth: 29th November 2002
Languages: English | Hindi | Gujarati
Nationality: Indian

DECLARATION

I hereby declare that the above-mentioned details in this resume are true, complete and correct to the best of my knowledge and belief.

PLACE: Ahmedabad, Gujarat

Parth Ketanbhai Shah