

MEGH PATEL

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Recently graduated Civil & Infrastructure Engineer with understanding of both on-site construction work and management side of it, seeking a growth opportunity which focuses on diverse aspects of these field and personal growth. Through development of personal projects and exposure gained in the construction industry during internships, I developed a keen understanding about project scope, cost estimation & scheduling. Collaborated with different peers to accomplish two successful research projects and published a paper in the International Journal.

EXPERIENCE

PSP PROJECTS PVT. LTD., CONSTRUCTION MANAGEMENT INTERN

Dec 2021 - April 2022

- Applied the LEAN management technique to design a 'value stream map' for the site activities processes.
- Worked on planning procedures, productivity & on-site executions for ongoing project.
- Generated schedules & reports for the daily, weekly, and monthly project activities.
- Collaborated with senior management team to track Project schedule & maintain Project charter deliverables.
- Shadowed the supervisor during crucial RCC laying & assisted in managing the labor work force.

DHAIRYA CONSTRUCTIONS, CIVIL ENGINEERING INTERN

May - June 2021

- Worked on RCC roof slab of G+7 apartments which included formwork, placement of reinforcement and concrete, and procedures like brick masonry, plastering, flooring, water proofing and plumbing work.
- Implemented the regional safety guidelines on site with new teams coming in.
- Got exposure to managing resource allocation of labor & materials.

RESEARCH PROJECTS

LOW-COST HOUSING:

- Developed a technical design of housing scheme with effective budgeting.
- Prepared detailed calculation and cost estimate sheets also for that scheme.
- Designed the Low Cost Housing scheme in 3D & 2D using AutoCAD, such that it has some latest urban amenities and utilities such as passive solar power generation system, waste disposal system and water conservation system keeping budget in mind.

EDUCATIONAL BUILDING:

- Planned and designed multiple classrooms, laboratories, staff rooms, personal offices, meeting room, seminar room, reception area, library, auditorium, administrative offices, medical room, kitchen, and other essentials as per National Building Code requirements for a college building.
- Generated a 3D model for the proposed design using Autodesk Revit.
- Produced Construction Documents and resource allocation plans.

EDUCATION

ADANI INSTITUTE OF INFRASTRUCTURE ENGINEERING – INDIA

JULY 2018 – JUNE 2022

B.S. / B.Engg. - Civil & Infrastructure Engineering

PUBLICATION

[“15 MINUTE CITY CONCEPT & IT’S APPLICATION,”](#) International Journal of Scientific Research in Engineering and Management (IJSREM)
: Volume 06, Issue: July 2022

CERTIFICATIONS

BASICS OF PORT PLANNING & DESIGN

[Adani Institute of Infrastructure Engineering](#)

PROBLEM SOLVING USING COMPUTATIONAL THINKING

[University Of Michigan](#)

CONSTRUCTION PROJECT MANAGEMENT

[Columbia University](#)

GOOGLE PROJECT MANAGEMENT (SPECIALIZATION-6 COURSES)

[Google](#)

INITIATING & PLANNING PROJECTS

[University of California Irvine – UCI](#)

THE CONSTRUCTION INDUSTRY: THE WAY FORWARD

[Columbia University](#)

BIM: FROM SKETCH TO DIGITAL TWIN

[Peter, The Great St. Petersburg Polytechnic University](#)

COMMUNICATION SKILLS

[TCS ion](#)

FINANCIAL PLANNING

[University Of Illinois](#)

HIGH IMPACT BUSINESS WRITING

[University of California Irvine – UCI](#)

SKILLS AND ACHIEVEMENTS

- **Software skills:** Autodesk Revit, AutoCAD, Primavera P6 Professional, MS Project, Staad Pro, QGIS, & Microsoft Suite.
- On Dean's list with Academic ranking 2nd overall the 2018 batch with a **CGPA of 9.48/10.**
- Runner up “Solid Design” and “Build O’ Innovative” competitions organized by Indian Institute of Technology-Patna.