

# YASH NAVNITKUMAR PATEL

VADODARA, GUJARAT | patelyash10377@gmail.com | 7878679077 | CIVIL ENGINEERING (STRUCTURAL DESIGN ENGINEER) | www.linkedin.com/in/yash-patel-78n78b

## CAREER SUMMARY

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Achievement oriented civil engineer offering a remarkable career taking on and successfully delivering on increasingly challenging projects. Exceptional at building and leading specialized teams that apply engineering principles and innovative solutions to deliver projects according to client's specifications. Seeking a career that is challenging and interesting, and lets me work on the leading areas of technology, a job that gives me opportunities to learn, innovate and enhance my skills and strengths in conjunction with company goals and objectives.

## EDUCATION:

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**Master's certification program in Post Graduate Program In High Rise Building Design & Analysis, SKILL-LYNC (August - Present)**

**M.Tech Civil Engineering**, Parul Institute of Engineering And Technology, Vadodara | **6.0 CGPA (June 2022)**

**B.Tech Civil Engineering**, Parul Institute of Engineering And Technology, Vadodara | **6.3 CGPA (May 2020)**

**Diploma Civil Engineering**, Parul Polytechnic Institute, Vadodara | **8.5 CGPA (May 2017)**

**10th**, Sardar Vallabhbhai School, Vadodara | **75.65% (April 2014)**

## TECHNICAL SKILLS:

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- **Skill set/ Software:** AutoCAD, Revit, ETABS, StaadPro, CSI Safe, MS Office
- **Industry Knowledge:** Drafting, Structural Design and Analysis, Construction Project Management, Senior Site Engineer

## EXPERIENCE:

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**Senior Site Engineer at Shree Gayatri Enterprise (Sardardham Project), Vadodara ( July 2019 – February 2020 )**

- As a senior site engineer's responsibilities include managing different parts of construction projects, supervising crew members, preparing estimates for time and material costs, completing quality assurance, observing health and safety standards, and compiling reports for different stakeholders. Responsible for planning and overseeing projects within an organization, from the initial idealization through to completion. they coordinate people and processes to deliver projects on time, within budget and with the desired outcomes aligned to objectives.
- Designing, developing, creating and maintaining construction projects. conducting on-site investigations and analyzing data. Assessing potential risks, materials and costs. on site experience as a site-engineer for construction of high-rise building. To prepare volumetric drawings in AutoCAD 3D for quantity calculations.
- Re-organized something to make it work better.
- Identified a problem and solved it.
- Come up with a new idea that improved things.
- Developed or implemented new procedures or systems.
- Worked on special projects.

**Structural Design Engineer at Conmech Cut&fix Pvt. Ltd., Vadodara (March 2020 – May 2023)**

- Focuses on the framework of structures, and on designing those structures to withstand the stresses and pressures of their environment and remain safe, stable and secure throughout their use.
- As a structural engineer design and maintain structures like public and private buildings and bullet train. structural engineers analyze, design, build and maintain the structures and materials that counteract or reinforce loads.
- Design buildings, bullet train, and other types of structures. They build 2D and 3D models using computer-aided design technology (e.g. AutoCAD, StaadPro, Revit). They measure loads and presses to secure structural soundness.
- Prepare reports, designs, and drawings.
- Make calculations about pressures, loads, and stresses.
- Consider the strength of construction materials and select appropriately.
- Provide technical advice on safe designs and construction.
- Obtain planning and/or building regulations approval.
- Analyze configurations of the basic components of a structure.

## Structural Design Engineer at Studio 2+2, Ahmedabad (May 2023 – Present)

- Structural Analysis, design for different types of structures like RCC building structures, steel structures, liquid retaining structures, underground structures, retaining wall and so on. Checking of the design drawing of structures.
- Manage all engineering efforts for medium- to large-scale civil projects and ensure that resources, both human and financial, are used effectively.

## INTERNSHIPS

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### L&T Power Training Institute, Vadodara - (15 Days)

- The trainee engineer's responsibilities include attending meetings, conducting desktop and field research, performing all practical and administrative duties assigned by the supervisor, traveling to other sites when required, assisting on projects, offering suggestions for improvement, and writing up reports. Training courses for power sector professionals coal and gas based thermal power plants.
- Power plant engineering and design.
- Power project management and planning.
- Power project execution- construction, erection & commissioning.
- Operation and maintenance practice of super-critical power plant.
- Energy efficiency in power project execution and power plant operation.
- Applications and practices of various advance technologies used in super-critical power plant.

## PROJECTS:

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### ACADEMIC:

**Project Title: B. Tech** – Experimental study of enhancing properties of concrete using tyre rubber. (2019-2020)

- As rubber has lower stiffness compared to aggregates, presence of rubber particles in concrete reduces concrete mass stiffness and lowers its load bearing capacity. The slight increase in compressive strength of sample containing 5% chipped rubber can be due to improvement of the coarse and fine aggregates grading. crumbed rubber concrete (CRC) is a promising new material on the construction scene. Created by replacing sand with rubber particles when mixing concrete, the material promises to significantly reduce certain environmental impacts, yet it's structural properties are still relatively unexplored.

**Project Title: M. Tech** – Earthquake vibration control using modified frame – shear wall. (2021-2022)

- Shear walls provide large strength and stiffness to buildings in the direction of their orientation, which significantly reduces lateral sway of the building and thereby reduces damage to structure and its contents. Since shear walls carry large horizontal earthquake forces, the overturning effects on them are large. the shear walls are somewhat capable of reducing the displacement of tall buildings but fail to reduce the acceleration of the top floor. The AMD reduces both the displacement and acceleration of the top floor, attractively.

## LANGUAGES KNOWN:

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- English: Proficiency
- Gujarati: Native Proficiency
- Hindi: Mention Proficiency