

# RAJ NAYI

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**Motivated Civil Engineer and Architectural Designer** with a bachelor's in civil engineering and over 3 years of diverse experience in residential, commercial, and institutional projects. Proficient in AutoCAD, Revit, SketchUp, and precast construction methods. Strong background in site supervision, project coordination, and sustainable design. Proven ability to manage multi-disciplinary teams, control costs, and deliver projects on time and within budget. Passionate about innovative and sustainable infrastructure development, seeking to contribute to civil and structural engineering projects in the UK or globally.

## Work Experience

### **Project Architect & Civil Engineer (Freelancer)**

ONE8 Design Studio – Ahmedabad, India

Nov 2024 – Present

- Delivered end-to-end project execution for luxury residential and commercial developments.
- Led design planning, material selection, and contractor coordination.
- Managed client communications, increasing repeat client rate and referrals.
- Integrated sustainable design strategies, cutting project costs by 15%.

### **PMC & Design Lead**

Shital Group – Ahmedabad, India.

Aug 2023 – Oct 2024

- Supervised construction sites and monitored adherence to safety and quality standards.
- Developed architectural and interior layouts tailored to client needs.
- Collaborated with consultants, contractors, and regulatory agencies to fast-track approvals.
- Oversaw project budgeting, cost estimation, and financial planning.

### **Site Supervisor**

Shreeji Construction – Ahmedabad, India.

Jan 2023 – July 2023

- Supervised construction of a government school project, ensuring quality control and timely execution.
- Resolved on-site challenges with effective problem-solving and team coordination.
- Conducted inspections and daily reporting to maintain work progress.

### **Precast Engineer**

PSP Projects Ltd. – Ahmedabad, India

Jun 2022 – Jul 2022

- Gained hands-on experience with modern precast construction techniques.
- Assisted in technical drawings and layout reviews for infrastructure projects.
- Participated in site and plant visits to understand component assembly and quality assurance

## **Professional Skills**

- **Civil & Structural Engineering** – Expertise in site supervision, precast construction, and structural detailing.
- **Architectural Design** – Skilled in AutoCAD, Revit, and SketchUp for architectural and interior planning.
- **Project Coordination** – Experience in handling multidisciplinary teams, client communication, and contractor management.
- **Sustainable Design** – Knowledge of green building techniques and cost-efficient planning.
- **Software Tools** – AutoCAD, Revit, SketchUp, MS Office, and construction scheduling software.
- **Health & Safety** – Adherence to construction safety regulations and site protocols.

## **Education**

### **Bachelor of Civil Engineering**

SAL Institute of Engineering & Research, Ahmedabad, India.

Jan 2019 – MAY 2023

A four-year undergraduate degree focused on the design, construction, and maintenance of infrastructure, buildings, and public works. The program combined theoretical foundations with hands-on training, preparing graduates for both field and design roles in civil engineering.

#### **Core Modules & Subjects Covered:**

- **Structural Analysis & Design (RCC and Steel)** – Principles of load distribution, stress-strain behaviour, and design of structural elements using IS codes.
- **Geotechnical Engineering** – Study of soil mechanics, foundation design, and ground improvement techniques.
- **Transportation Engineering** – Design of roads, highways, pavements, and transportation systems.
- **Environmental Engineering** – Wastewater treatment, solid waste management, and environmental impact assessment.
- **Construction Planning & Project Management** – Use of CPM, PERT, and MS Project for scheduling and resource allocation.
- **Surveying & Remote Sensing** – Land surveying techniques including total station and GPS-based data acquisition.
- **Water Resources Engineering** – Design of irrigation systems, canals, and hydraulic structures.
- **Precast and Prefabricated Construction Techniques** – Emphasis on modern methods of construction (MMC) and modular building solutions.

#### **Academic Projects & Seminars:**

Final Year Capstone Project:

##### **“Government School Construction Project”**

- Delivered the project on schedule, ensuring minimal disruptions to the community.
- Maintained high-quality construction, adhering to industry standards and client expectations.
- Worked closely with stakeholders, including architects, engineers, and contractors, to ensure seamless execution.
- Gained valuable experience in construction management, teamwork, and problem-solving, enhancing my skills as a civil engineer.
- Competent in interpreting construction drawings, performing quantity take-offs, and structural detailing.
- Hands-on experience with **site layout, levelling, and concrete mix design** in college labs and internships.
- Exposure to **precast construction systems**, safety protocols, and site supervision practices.

#### **Key Achievements**

- Successfully delivered 10+ high-value projects under strict time and cost constraints.
- Reduced execution costs by 12–15% through efficient design and procurement strategies.
- Recognised for driving client growth and portfolio expansion at ON8 Design Studio.
- Developed expertise in precast construction methods applied to real-world projects.

#### **Certifications & Training**

- Construction Site Safety Induction
- AutoCAD & Revit Professional Certification
- Precast Construction Technology Training – PSP Projects Ltd.