

RAJA SHEKAR YELLALA

CIVIL / STRUCTURAL ENGINEER

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PROFILE

Civil/Structural Engineer pursuing an MSc in Analysis and Design of Structures at NTUA, with professional experience in steel and reinforced-concrete (RC) design for industrial and residential projects. Experienced in structural analysis, modelling and documentation using STAAD.Pro, ETABS, Tekla Structures and AutoCAD, with exposure to Indian and American design codes and developing Eurocode-based design expertise in Greece.

STRUCTURAL COMPETENCIES & TECHNICAL SKILLS

Structural competencies: Steel structures; reinforced-concrete structures; industrial structures; structural modelling; foundations; site coordination; structural documentation. **Analysis & design software:** STAAD.Pro, ETABS, RCDC, RAM, IDEA StatiCa. **BIM & detailing:** Tekla Structures, Revit, Navisworks. Drafting: AutoCAD. **Programming & documentation:** Python for basic civil/structural applications and optimization; MS Excel, MS Word, technical report writing. **Design standards exposure:** Indian Standards; ACI/ASCE; Eurocodes through current MSc studies and developing practice in Greece.

PROFESSIONAL EXPERIENCE

Techno Structures Engineering and Design Solutions

Structural Engineer | 08/2024 - 09/2025 | Hyderabad, India

- Performed structural analysis and design of industrial steel and RC structures, including substations, steel sheds, pipe racks, pipe supports, equipment foundations, tank foundations, storage/process tanks, pump houses, platforms, walkways and auxiliary buildings.
- Developed structural models and supported member/foundation design, engineering checks and structural documentation for industrial projects using applicable project design standards.
- Worked across steel and RC systems and supported project delivery from structural modelling and analysis through design documentation and multidisciplinary coordination.

Selected Projects

6 TPD and 36 TPD Bio-CNG Plants, India - Designed complete structural systems including industrial sheds, process tanks and auxiliary buildings from concept through structural analysis and design using Indian Standards.

Al Haer Independent Sewage Treatment Plant, Saudi Arabia - Coordination, design and detailing of control room, substation building, 50 m × 75 m RC tank and associated pump house using ACI/ASCE codes.

Green Space Housing and Engineers Pvt. Ltd.

Junior Engineer / Site Engineer | 02/2020 - 01/2024 | Hyderabad, India

- Assisted site execution and supervision of RC residential buildings ranging from G+5 to G+15, including reinforcement, shuttering/formwork and concrete works in accordance with structural drawings and project specifications.
- Supported quantity measurements, material coordination and daily site progress reporting, and coordinated with senior engineers, contractors and site teams to maintain construction quality and timely execution.

EDUCATION

MSc in Analysis and Design of Structures | National Technical University of Athens

10/2025 - Present | Athens, Greece

Bachelor of Technology in Civil Engineering | Jawaharlal Nehru Technological University Hyderabad

2019 | India | First Class

LANGUAGES

English: Professional proficiency | **Telugu:** Native | **Hindi:** Working proficiency | **Greek:** B1 level