

Srushti Patil

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Career Summary

Civil engineering professional with an M.Tech in Structural Engineering and experience in roads, bridges and infrastructure projects. Currently working in the Design Department at TPF Engineering Private Limited, focused on bridge design in accordance with IRC standards. Skilled in Structural analysis, checking design notes and drawings, and using tools like AutoCAD, STAAD.Pro, MIDAS. Experience in billing, subcontractor management, and SAP software. Adaptable, punctual, and capable of thriving under pressure to meet tight deadlines in challenging environments.

Education

Government College of Engineering Amravati

2021 – Oct 2023

M.Tech in Structural Engineering

- GPA: 8.4/10.0

Dr. Rajendra Gode Institute of Technology and Research Amravati

2016 – May 2020

Bachelor of Engineering in Civil Engineering

- GPA: 9.4/10.0

Experience

Assistant Manager (Design Department)

Navi Mumbai, MH

TPF Engineering Private Limited

May 2025 – Present

- Reviewed and verified structural design notes, ensuring compliance with relevant IRC codes.
- Checked detailed drawings of bridges, including superstructure, substructure, bearings, and foundations, to ensure technical accuracy and construct ability.
- Validated load combinations for vehicular, seismic, and wind loads as per IRC guidelines.
- Ensured design outputs adhered to safety, serviceability, and durability criteria in accordance with MORTH and IRC specifications.

Management Trainee (Roads and Infrastructure)

Chandrapur, MH

Lloyds Infrastructure and Construction Limited

Dec 2025 – April 2025

- Prepared and reviewed bills for civil construction projects worth Rs.X crores, ensuring compliance with project requirements.
- Evaluated and monitored subcontractor bills to verify accuracy and adherence to agreed terms.
- Ensured precision in billing processes, aligning with project scope and deliverables.
- Processed bills using SAP software and coordinated with the accounts department to facilitate timely payments.
- Drafted and issued detailed work orders for subcontractors, streamlining project operations.
- Demonstrated exceptional dedication by working late-night hours to meet tight deadlines and ensure uninterrupted project progress.
- Maintained punctuality and a strong work ethic, consistently delivering tasks on schedule, even under challenging circumstances.
- Adapted seamlessly to remote and demanding work environments, ensuring smooth execution of construction projects in diverse locations.
- Thrived under pressure by effectively managing multiple priorities and resolving issues promptly to meet project goals.

Projects

Effect of SMA for Combined Wind and Wave load Behaviour of Offshore Structure

- Analyzed the effect of Shape Memory Alloys (SMA) on the combined wind and wave load behavior of offshore structures, focusing on enhancing structural resilience.
- Conducted simulations and modeling to evaluate the dynamic response of offshore structures under extreme environmental conditions.
- Investigated the potential of SMA in improving structural stability and mitigating the impact of cyclic loading caused by wind and waves.
- Prepared detailed project reports and presented findings, offering innovative solutions for offshore engineering challenges.
- Demonstrated proficiency in structural analysis, environmental load assessment, and advanced material applications in civil engineering.

Geological Investigation of Glass Fibre on Black Cotton Soil

- Conducted a geological investigation to analyze the impact of glass fiber reinforcement on black cotton soil properties.
- Performed detailed soil sampling, testing, and analysis to assess improvements in soil stability and load-bearing capacity.
- Utilized advanced techniques to evaluate the performance of glass fibers in enhancing soil characteristics for construction applications.
- Documented research findings, providing actionable insights for soil stabilization in civil engineering projects.
- Demonstrated strong analytical and problem-solving skills by addressing challenges related to black cotton soil's expansive nature.

Skills

- Building Information Modelling (Revit, Naviswork)
- Structural Analysis Tools (STAAD.Pro V8i, AutoCAD 2019)
- MS Office:- MS Word, MS Excel, MS Power Point

Languages

- English - Hindi - Marathi