YASH SUNIL DHOTRE

Civil Engineer

📞 +91 7498584710   🌐 LinkedIn Profile

✉ er.yashdhotre.site   🌐 Portfolio Website

PROFESSIONAL SUMMARY

Motivated and detail-oriented Civil Engineering student with a strong interest in Site Engineering, Quantity Surveying, and Structural Analysis. Skilled in preparing accurate material estimates, cost analysis, and technical drawings with a growing proficiency in AutoCAD and STAAD Pro. Demonstrates a solid understanding of construction processes, project documentation, and site coordination. Passionate about learning modern engineering tools and delivering efficient, high-quality work. Adept at working both independently and collaboratively to achieve project goals within deadlines.

EDUCATION

2023-2026

Bachelor of Technology (B.Tech) in Civil Engineering
Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere

- Specializing in Structural Design, Quantity Surveying, and Construction Management
- Published a research paper on "Flood Management and Mitigation Techniques" during academic tenure
- Completed academic projects focused on material estimation, cost analysis, and technical drawing preparation
- Actively developing proficiency in AutoCAD, STAAD Pro, and MS Excel

2019-2022

(First Class Distinction)

Diploma in Civil Engineering
Maharashtra State Board of Technical Education (MS BTE)

- Gained foundational knowledge of building materials, surveying, RCC design, and project planning
- Worked on practical assignments related to construction estimation and site supervision

WORK EXPERIENCE

June 2023 – August 2023

Civil Engineering Intern | CKC Hub

- Monitored and verified the quality of incoming construction materials (concrete, steel, aggregates) against project specifications and IS Codes.
- Assisted Site Engineer with daily site layout, setting out procedures, and ensuring accurate execution of construction lines on the ground.
- Interpreted and cross-checked complex reinforcement drawings (BBS) to supervise the correct placing and tying of rebar in beams and slabs.
- Managed and filed site documentation, including daily progress reports and quality checklists, enhancing practical understanding of site administration.

June 2024 – August 2024	**Site Engineer Intern | Government School Project (Mahad)**

- Assisted Site Engineer with initial site layout and setting out procedures for the building footprint.
- Gained practical experience in supervising RCC slab and beam execution, improving understanding of standard construction practices.

RESEARCH PAPERS

- Flood Detection using Google Earth Engine: A Comparison of Optical and SAR-based Remote Sensing Methods, Dhotre et al – International Journal of Innovative Research and Advanced Engineering (IJIRAE) (Vol. 12, Issue 9, October 2025) DOI: https://doi.org/10.26562/ijirae.2025.v1209.01

- Multi-Temporal Flood Assessment of Mahad, Maharashtra Hybrid Method Using Sentinel-1 SAR and NDWI on Google Earth Engine, Jadhav et al – Advanced flood mapping research integrating optical and radar data for disaster risk reduction

TECHNICAL SKILLS

TECHNICAL TOOLS

- AutoCAD
- STAAD.PRO
- Revit (Basic)
- MS Excel , MS Word
- Google Earth Engine
- Python (Basic)
- Prompt Engineering

CORE COMPETENCIES

- Technical Drawing Interpretation
- Construction Supervision & Quality Control
- Structural Design & RCC Detailing
- Surveying & Leveling Techniques
- Problem-Solving & Analytical Thinking
- Team Collaboration & Communication
- Adaptability & Continuous Learning

HOBBIES

- Designing and sketching small structures in AutoCAD & STAAD.PRO
- Exploring modern construction techniques and sustainable design concepts
- Learning new software tools and technologies
- Watching engineering and architecture documentaries / Podcast
- Reading articles & Research Papers related to innovation and infrastructure
- Traveling

LANGUAGES

- English
- Hindi
- Marathi

DECLARATION

I hereby declare that the above-mentioned information is true and correct to the best of my knowledge and belief.

Place: Mahad, Maharashtra

Signature: Yash Sunil Dhotre