



# RAFI MOHAMMED

*Civil Engineer*



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## **Summary**

Civil Engineer with 2+ years of hands-on Indian & Saudi Arabian experience in structural design, site execution, and supervision of residential and commercial RCC projects. Proficient in AutoCAD, ETABS, and SAFE, with strong knowledge of RCC detailing, QA/QC procedures, quantity estimation, and project coordination. Demonstrated ability to deliver safe, cost-effective, and high-quality construction while collaborating effectively with consultants, contractors, and multidisciplinary teams.

## **Professional Experience**

**Site Engineer — Unnati Buildtech, INDIA**

***Jun 2025 - Nov 2025***

- Supervised day-to-day construction activities for a large-scale 628-unit residential project, ensuring strict compliance with approved drawings, specifications, and construction schedules.
- Managed RCC works including footing, columns, beams, slabs, staircases, and internal structural elements from execution to finishing stages.
- Executed centering, shuttering, and scaffolding works with high accuracy, reducing concrete rework by 20% through systematic pre-pour inspections.
- Verified reinforcement detailing, bar bending schedules (BBS), lap lengths, anchorage, and cover blocks prior to concreting.
- Coordinated concrete pouring activities, monitored slump values, cube casting, curing methods, and post-concrete inspections.
- Prepared and maintained daily progress reports, manpower deployment records, and material consumption statements.

- Liaised with project managers, subcontractors, and vendors to resolve execution challenges and maintain smooth workflow.
- Assisted in quantity take-offs and material reconciliation, reducing material wastage and improving inventory control.
- Ensured strict adherence to site safety protocols, PPE usage, and safe work practices, maintaining zero major safety incidents.
- Supported finishing works including blockwork, plastering, waterproofing, and flooring, ensuring quality standards and timelines were met.
- Identified and resolved 50+ on-site technical and coordination issues, preventing schedule slippage and rework.
- Participated in client and consultant inspections, ensuring timely closure of observations and snag lists.

**Civil Engineer — *Jalal Contracting Co., KSA***

***Oct 2024 - Jun 2025***

- Executed and supervised RCC residential and commercial projects, ensuring compliance with approved drawings, specifications, and project schedules.
- Prepared, reviewed, and coordinated structural drawings using AutoCAD; assisted in structural analysis and foundation design using ETABS and SAFE.
- Supervised construction of footings, columns, beams, slabs, staircases, ensuring correct alignment, levels, reinforcement detailing, and cover requirements.
- Conducted pre-concreting and post-concreting inspections, including rebar checks, shuttering stability, embedment's, and service coordination.
- Implemented QA/QC procedures, monitoring material approvals, concrete mix designs, slump tests, and cube strength results.
- Coordinated with consultants, architects, subcontractors, and site teams to resolve technical issues and maintain uninterrupted progress.
- Assisted in quantity take-offs, BOQ preparation, material reconciliation, and cost control to minimize wastage.
- Prepared daily and weekly progress reports, monitored productivity, and updated work schedules.

- Enforced site safety regulations, housekeeping standards, and compliance with company HSE policies.
- Supported project handover documentation, including as-built drawings, inspection reports, and completion records.

**Civil Engineer Intern — HS Builders & Developers, INDIA**

**May 2023 - April 2024**

- Actively involved in site execution and supervision of residential RCC structures, from foundation to superstructure stages.
- Reviewed soil investigation reports and assisted senior engineers in optimizing foundation design to improve load transfer and reduce material costs.
- Supervised foundation works including excavation, PCC, footing concreting, backfilling, and compaction.
- Ensured accurate setting out, alignment, and leveling of structural elements using surveying instruments and reference benchmarks.
- Improved shuttering alignment and stability, reducing rectification time by 25% during concrete pours.
- Conducted routine site inspections to ensure compliance with IS codes, drawings, and quality specifications.
- Prepared AutoCAD drawings for foundation layouts, column grids, and structural detailing, reducing design revisions by 30%.
- Coordinated with architects, consultants, and project managers to address design clarifications and site modifications efficiently.
- Assisted in material inspection and approvals, including cement, aggregates, steel, and formwork systems.
- Maintained site documentation, including inspection checklists, concrete pour cards, and quality records.
- Implemented safety awareness programs for site labor and supervisors, contributing to zero reportable incidents.
- Supported project close-out activities, including final inspections, snag rectification, and handover documentation.

## **Skills**

- SAFE - Foundation Designing
- ETABS – Structural Designing
- AutoCAD - Layout Designing
- Efficient Project Planning
- Project Execution Design
- MS Excel

## **Education**

- **Bachelor's in Civil Engineering**, Osmania University — Hyderabad, INDIA — 2024  
(Lords Institute of Engineering & Technology)
- **Board of Higher Education** — Hyderabad, INDIA — 2020 (Iqbalia junior College)

## **Certifications & Training**

- ETABS
- SAFE
- AutoCAD

## **Personal Details:**

Name : Rafi Mohammed  
Mobile : 057 037 5144  
E-mail : [mohammedrafcivil@gmail.com](mailto:mohammedrafcivil@gmail.com)  
Nationality : Indian  
Driving License : Available, India  
Marital Status : Single  
Iqama : Transferable  
Location : Riyadh, Saudi Arabia  
Age : 23