

# SHANKAR S. SANAKE

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## EDUCATION

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- **Master's in Construction Management** (Jan18-July19)  
Florida International University
- **Bachelor's in Civil Engineering** (Jun12-July16)  
Shivaji University
- **Coursework:**
  - Estimation, Scheduling, Safety, LEED, Codes & Regulation, Surveying, BIM, Structural Analysis, Geotechnology.

## PROFESSIONAL EXPERIENCE

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- **Project Engineer/Estimator at Continental Construction USA, LLC** (Sep 2019-June 2021)
  - Successfully delivered the following projects:
    1. Watermain Installation & Roadway Improvement – City North Miami Beach (LAP)
    2. Traffic Signalization at Intersections – City of Doral (Miami Dade County)
    3. Stormwater Water Drainage Improvement – Miami Gardens
    4. ADA Transit Shelter Improvement – Broward County
  - As being an Estimator, my job duties started with searching for bids that are a good fit (size, location & scope) for the company and then requested price quotes from subcontractors & material suppliers (site work, electrical, underground utility, irrigation, Landscape, Paving & Markings, Amenity).
    - The crucial part of my responsibilities after receiving the price quotes is to analyse each line item with previous bids (low/non low bidders) as well as with previous projects which made enough profit in relevant scope of work.
  - As being a Project Engineer, I worked with company GM & OM on prior project operations planning, resource assigning and budgeting after receiving Notice of Award.
    - Prior to mobilisation, my main responsibilities were to prepared road closure MOT Designs, Erosion Control Plans, dewatering permit plan, executing subcontracts, material procurement.
    - Every month I estimated each line item completed quantity to bill the client by coordinating with CEI. Also prepared/organised/submitted all necessary documents to keep projects running such as RFI's, CO's, Submittals, Payrolls, FDOT forms, DBE reports, updated schedules, Test reports (concrete, bacteriology, Density).
    - As being prime contact person, I arranged meetings in response to resolve any issues involved (related to CO's, contract compliance, inspections failed) with City/County representatives, subcontractors or superintendents. Pushed subcontractors to keep projects on schedule, tracked expenses and created cost control reports on my projects.
    - In efforts to project delivery/handover, I requested, prepared and submitted project closeout documents (As-Builts, Warranty letters, Lien Release, Permit Closeouts).
- **Assistant Project Manager at Lego Construction Corp** (Internship May-July 2019)
  - Supervised field work progress on Public School's renovation projects in Miami Dade County area which involved roofing, flooring, plumbing, electrical, drywall, ceiling and finishes scope of work.
  - Assisted Project Manager in Reviewing scope of work, Scheduling of work progress and delays, Assigning specifications & cost codes, Preparing contract documents.
  - Using Procore, prepared Submittals, RFI's, Project Closeouts, Payment Applications, Change Orders, Schedule of Values for Owner & Subcontractors.
  - Followed up with Subcontractors in getting most recent/updated legal documents such as COI, LWF reports, Bid package, Warranty/Instruction Manual, NTP, NTO and Substantial Completion.
- **Graduate Research Assistant at Florida International University** (Feb18-April19)
  - Published a conference paper on "Indoor Environmental Human Comfort Aggregation Model". In which designed surveys and experiment, analysed data, handled equipment like Bio-Harness etc.
  - Created undergrad course structure for 'Electrical Design in Building' with the help program Director.

- **Field Engineer at D. J. Ghanate Constructions Pvt ltd, India**

**(Nov16-Nov17)**

- Projects:
  - 1.Cold Storage Construction
  - 2.Asphalt Road Project
  - 3.Loom Factory Construction
  - 4.Farmhouse Construction
  - 5.Renovation of Hostel to School
  - 6.Residential Building Construction
- My Major responsibilities at this family related owned business was quality control of structural reinforcement in beams, slabs, columns, foundations. Made sure that survey layout for property line out and foundation are accurately placed.
- Kept daily log of labour, equipment & material and gave updates to the office manager. Estimated and procured daily concrete required on jobsite. Supervised steel column erection on industrial storage sheds.

## **ACADEMIC PROJECTS**

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- **Estimation and valuation of Club House**
  - Detailed Quantity estimation using 'On Screen Take-off' and did complete valuation of the project using RS-Means data.
- **RCC Design of two Storey House**
  - Prepared the structural design of foundation, column, beam, slab and estimated the quantity and did valuation of the project as per market value.
- **Road project**
  - Surveyed 0.5 km land using Auto-level & found out Line of Formation so that filling, excavation will be equal.
- **Scheduling of two Storey House**
  - Ran the scheduling project successfully in Primavera P6 for 2 storey residential building after creating WBS and logical relationships between activities.
- **Burnt Clay Brick replacing by Cellular Lightweight Concrete (CLC)**
  - Produced CLC Block with different ratios of Cement and Fly-Ash to find out their optimal Density vs Strength ratio by conducting experiments.

## **CERTIFICATIONS & SKILLS**

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- Primavera P6 Professional (Proficient)
- On Screen Take-off, Planswift (Proficient)
- OSHA 30 Certification (Construction Safety)
- Procore Project Manager (Proficient)
- Florida Stormwater Inspector Certification (Qualified)
- FDOT TTC Advanced Certification
- Bluebeam, Sketchup, Revit, Navisworks (Basic knowledge)
- Microsoft Office (word, excel, power point)