

NAVEEN KAPPALA

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Portfolio: <https://naveencivil1.github.io/cv/>

PROFILE SUMMARY

Experienced Civil Engineer with a solid civil engineering foundation and hands-on experience in field inspections, materials testing, and construction oversight. Skilled in concrete and soil, nuclear density testing, foundation and rebar inspections, and ensuring structural quality control in accordance with project specifications and industry standards. Proficient in AutoCAD, Civil 3D, Revit, Navisworks, Bluebeam, and Primavera P6, with strong understanding of civil site design and structural concepts. OSHA 30 certified and trained in Construction Project Management. Currently preparing for the FE Civil exam and actively pursuing civil engineering roles to apply technical knowledge and contribute to efficient, safe, and high-quality project delivery.

TECHNICAL SKILLS

Civil Engineering: STAAD Pro | AutoCAD | Civil 3D | SketchUp | Bluebeam | Material Testing & Analysis | Concrete & Soil Testing | Foundation & Rebar Inspection | Structural Quality Control | Nuclear Density Gauge | AASHTO Standards | Steel Design | Geotechnical Evaluation | Hydraulics/Fluid Mechanics | Engineering Drawing

BIM & Automation: Revit + Dynamo Scripting | Navisworks | Clash Detection

Project Management: Oracle Primavera P6 | Procore | MS Project | Cost Estimation | Project Scheduling & Optimization | Enterprise Management | OSHA 30 | Team Coordination & Stakeholder Communication

EXPERIENCE

Engineering Technician | Terracon Consultants, Inc | Parma, Ohio- USA Sep 2025- Present

- Conduct concrete, soil/ asphalt testing and foundation testing, including ACI standard tests, to ensure compliance with project specifications and ASTM/AASHTO standards, while delivering accurate results.
- Perform rebar and structural inspections to maintain quality control and adherence to design drawings.
- Operate and maintain field equipment, including nuclear density gauge, concrete testing tools, and ACI testing devices, ensuring accurate measurements, doing inspections and performing calibration.
- Document & report test results, supporting engineers and project managers in project decisions & approvals.
- Collaborate with general contractors, site superintendents and field teams to identify issues and recommend corrective actions, ensuring safety and compliance, while minimizing delays and maintaining project quality.
- Assist in making report material testing and analysis, contributing to efficient and accurate project execution.

Construction Project Manager | AA Maintenance Services LLC | Akron, Ohio- USA May 2025- Aug 2025

- Prepare detailed cost estimates, material take-offs and bid proposals for commercial, residential renovation & construction projects, ensuring competitive pricing alignment with client expectations and Bid submissions.
- Estimated and managed construction/ demolition projects worth \$500,000+, along with renovation bids.
- Analyze drawings, specifications and project requirements to develop accurate budgets and supporting strategic planning & effective resource allocation, while ensuring the alignment with client expectations.
- Prepared and submitted building plans to Summit County, Akron- OH, securing full approval.
- Coordinate with subcontractors and vendors to obtain competitive pricing & ensure accurate bidding.
- Utilize tools such as Microsoft Project, Excel, Bluebeam, Primavera P6 & AutoCAD to support estimating and project scheduling. Monitor job costs & implement value engineering when needed to meet client budgets.
- Ensure compliance with safety standards, building codes, and contract documentation. Assist in business development by preparing proposals, designing, marketing ads and maintaining strong client relationships.

Junior Civil Engineer | Sugadhi Constructions and Consultancy | India 2018 – 2019

- As a Junior Civil Engineer at Sugadhi Constructions Pvt Ltd, specialized in preparing cost estimates, quality control, structural design, and analysis for residential buildings and various civil projects. Utilized AutoCAD for drawings and Excel for design reviews. Prepared daily reports for senior management and contractors.
- Worked with a team of 4 engineers on estimation, costing, and design analysis for the project. Attended meetings to discuss design analysis and budget preparation and contributed to resolving quality issues.

- Oversaw the estimation and costing processes for senior management teams and subcontractors, ensuring accurate cost-effective solutions. Assisted in design analysis for residential construction projects, ensuring designs met client specifications and designing.
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ACADEMIC PROJECTS

- Southwood Plantation Road Realignment Project (Tallahassee, Florida)** 2023
- Designed a new multilane divided highway using Civil 3D from Biltmore Ave to Apalachee Parkway, ensuring compliance with AASHTO roadway design standards and local regulations, while integrating safety enhancements and contributing to improved connectivity and accessibility for the surrounding community.

- ITM Capstone- Project Management (Research-based, academic and intellectual experience)** 2024
- Developed and implemented a comprehensive project management framework as part of the ITM Capstone Project to optimize resource allocation, enhance team collaboration improve project outcome management context, demonstrating practical application of PMI and Agile methodologies.

- A Case Study on Post-Tensioning in Slabs and Beams of High-Rise Buildings** 2022
- Conducted a case study on post-tensioning techniques for long-span beams and large-area slabs, focusing on material optimization, structural durability, load distribution, deflection control; designed and implemented a precise concrete mix to enhance performance, stability and cost-efficiency of the structure.

- Analysis and Design of Residential Building (G+4) Using STAAD Pro and AutoCAD** 2021
- Analyzed and designed a G+4 residential building using STAAD Pro and AutoCAD; developed detailed building plans with 3D visualization in AutoCAD and performed structural analysis using the limit state method, finalizing the design in STAAD Pro in accordance with all relevant safety standards and codes.
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EDUCATION

- **Master in Project Management and Technology** | Campbellsville University | KY, USA Jun 2023 – Mar 2025
Key courses : Project Management, Team Management, Disaster Recovery Planning and Management, N & CM
 - **Bachelors in Civil Engineering** | JNTUH | India Jun 2019 – Aug 2022
Key courses – Structural Analysis, Concrete Structures, Surveying, Irrigation and Hydraulics, Transportation.
 - **Diploma in Civil Engineering** | SRTIST | India Jun 2016 – Apr 2019
Key courses – Strength of Materials, Surveying, Quantity Surveying, Environmental Engineering, CM & CP.
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CERTIFICATIONS

- Valid Driver's License and following Incident Injury Free (IIF) rules with Smith keys
 - American Concrete Institute (ACI) Grade-I
 - American Electric Power Station Orientation/ Training
 - ATI Portable Nuclear Moisture Density Guage Training
 - Construction Project Management by Columbia University (Online)
 - OSHA 30 (Occupational Safety and Health Administration)
 - Oracle Primavera P6 and Advanced Resource, Enterprise Management.
 - Revit- Dynamo
 - Auto Cad
 - Navisworks: Clash Detection
 - Machine Learning (Advanced Algorithms) and SQL Data Analyst.
 - Fundamentals of Engineering (FE). I am actively preparing for the FE Civil exam to obtain certification
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ELIGIBILITY

Eligible to work in the United States of America with valid work authorization | Willing to Relocate