

NAVEEN KAPPALA

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

PROFILE SUMMARY

Experienced Civil Engineer with a proven track record in delivering high-quality construction, estimation, and infrastructure projects from concept to completion. Combines technical expertise in structural design, cost analysis, and project management with hands-on proficiency in AutoCAD, Civil 3D, Revit, STAAD Pro, Navisworks, Bluebeam, and Primavera P6. Adept at applying BIM workflows and data-driven strategies to enhance design accuracy, reduce costs, and improve overall project efficiency. Certified in OSHA 30 and Construction Project Management, with a strong commitment to safety, sustainability, and delivering results in fast-paced, deadline-driven environments. Actively seeking a challenging role in civil engineering or infrastructure development.

TECHNICAL SKILLS

Civil Engineering: STAAD Pro | AutoCAD | Civil 3D | Sketchup | Bluebeam | AASHTO Standards | Steel Design | Geotechnical Evaluation | Hydraulics/ Fluid Mechanics | Material Testing & Analysis | Engineering Drawing.
BIM & Automation: Revit + Dynamo Scripting | Navisworks | Clash Detection | Quantity Take-off Automation.
Project Management: Oracle Primavera P6 | Procore | MS Project | Cost Estimation | Project Scheduling and Optimization | Enterprise Management | OSHA 30 | Team leadership, or stakeholder coordination.

EXPERIENCE

Estimator/ Project Manager | AA Maintenance Services LLC | Akron, Ohio- USA **2025- Present**

- 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.
- Analyse drawings, specifications and project requirements to develop accurate budgets and supporting with 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.

INTERNSHIP

Construction Project Engineer | Verex Engineering LLC | Sandy, Utah- USA **2025**

- Collaborated with senior engineers to review structural and architectural drawings for accuracy and code compliance. Assisted in preparing quantity take-offs, material estimates, cost analysis using AutoCAD & Excel.
- Supported the development and revision of construction documents, shop drawings & technical submittals.
- Participated in virtual project coordination meetings with clients, contractors, and engineering teams.
- Helped monitor project schedules and progress through regular updates and remote tracking tools.
- Conducted reviews of field reports, change orders to ensure timely resolution of design & construction issues.
- Maintained organized digital records, technical documentation, and ensured adherence to project standards.
- Gained exposure to structural design review, estimating practices, and virtual construction coordination.

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.

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
 - 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