

SUJITH KUMAR SURESH

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SUMMARY

- Civil Engineering Graduate with 3+ years of experience in infrastructure project planning, design, and coordination. Eligible to register for EIT designation.
- Proficient in industry-standard design tools such as AutoCAD, Civil 3D, Revit, and GIS mapping applications for drafting, modeling, and spatial analysis.
- Experienced in construction sector project planning and resource management using MS Project and Primavera P6 tools to streamline schedules and ensure timely project delivery.
- Specialized in structural design and drafting of low-rise residential buildings (2-3 storeys) using Revit (Building Information Modelling) and AutoCAD, adhering to national building codes.

EDUCATION

Masters in Civil Engineering, University of Ottawa | Ottawa, ON **Dec 2024**

Key courses: Rehabilitation of Concrete Structures, Project Information Management, Engineering Design.
Team Project: Designed a greenhouse building to maintain around 20 degree C to grow crops/fruits in extreme weather conditions and delivered it to Deep Roots (*NGO supporting farmers in Ottawa*).

Bachelors in Civil Engineering, Atria institute of Technology | Bengaluru, India **Aug 2020**

Key courses: Analysis of Determinate Structures, Strength of Materials, Rehab & Retrofitting of Structures

TECHNICAL SKILLS

Engineering Tools: AutoCAD, Civil 3D, Revit, Staad Pro, QGIS, ArcGIS, JOSM, WEAP, Bluebeam

Project Management Tools: Primavera P6, MS Project, ProCore

Microsoft Tools: Word, Excel, PowerPoint, Teams, Outlook

PROFESSIONAL EXPERIENCE

Team Lead, Deduce Technologies | Bengaluru, India **July 2020 – July 2023**

- Produced 80+ detailed architectural and structural drawings for 2 and 3 storey buildings using AutoCAD and Revit tools, ensuring high accuracy and delivering 20% more output compared to team benchmarks.
- Supervised a team of 20+ engineers, managing task allocation, schedule tracking, and quality assurance using Primavera P6 and MS Project, leading to a 10% improvement in project execution efficiency.
- Supported infrastructure planning including road and network layouts, aligning with client specifications and budget requirements.
- Improved project tracking by documenting over 400 client feedbacks, ensuring Project Managers had up-to-date information on the construction projects.

Student Intern, Sobha Developers Limited | Bengaluru, India **May 2019 – Aug 2019**

- Assisted senior engineers in preparing technical reports, site review documentation, and feasibility studies for construction.
- Conducted field inspections to monitor site progress, evaluated contractor performance, and ensured adherence to safety and environmental regulations.
- Assisted in preparing procurement documentation, including drafting technical specifications and reviewing contractor submissions.
- Liaised with architects, engineers, contractors, and client representatives to coordinate project requirements and timelines.

KEY PROJECTS

Last Mile Connectivity (*Deduce Technologies, India*)

Jan 2022- July 2023

- Designed and implemented a road and building network plan for Amazon leading team of 23 engineers, resulting in successful funding acquisition of over \$200,000 for full scale implementation.
- Addressed inaccuracies in data points related to buildings for 120,000+ commercial and residential properties across 35 cities in the U.S. using GIS mapping tools such as QGIS and JOSM.
- Led and trained a team of 23 engineers in GIS software applications for the building sector, improving their expertise in spatial data analysis and delivering the project 2 months ahead of schedule.

Net Zero Energy Building Design (*Graduate Project at uOttawa, Canada*)

Sept 2024 – Dec 2024

- Conducted a literature review on sustainable building practices, analyzing 20+ research papers and case studies, including Seraing Municipality (Belgium) and Indira Gandhi Paryavaran Bhavan (India), to evaluate best practices in the Net Zero Energy strategies.
- Prepared a detailed report quantifying the impact of hybrid building systems, as per National Energy Code of Canada for Buildings (NECB 2020), such as 20% energy savings and 10 % reduction in costs.

ACHIEVEMENTS AND ACHIEVEMENTS

- Received the "Extra Miller" Award from Deduce Technologies (awarded to 15 among 500 employees) in November 2020 for excellence in quality and achieving performance targets.
- Selected by the undergraduate university college committee as a potential winner to submit the thesis project for external funding to the KASCC, June 2020, India.
- Awarded an academic excellence scholarship of \$1,000 from Tim Hortons, among 230 recipients across Canada in August 2024.

CERTIFICATIONS

- Primavera P6 Certification, November 2024, Canada
- Advanced Surveying Using Total Station, Auto Level, and AutoCAD Mapping, January 2019, India
- Construction Management: Planning and Scheduling Certification, November 2023, Canada
- Construction Management: Reading Drawings and Specifications Certification, November 2023, Canada
- Learning Construction Estimation Certification, November 2023, Canada

PRESENTATION SKILLS

- Presented a research project on "Geotechnical Challenges in Site Selection for Solar Farms" at the University of Ottawa's 17th Annual Geotechnical Hazards and Risks Conference in December 2024, focusing on site analysis and soil stability considerations for renewable energy infrastructure.
- Regularly presented in the Last Mile Connectivity project meeting at Deduce Technologies to the company CEO, GM and PM regarding the project updates, challenges and action plans.

VOLUNTERING AND EXTRA CURICULAM

- Secretary for an inter-collegiate fest at Atria Institute of Technology in February 2019, responsible for managing funds (\$3000) and coordinating the organizational team over 30 members.
- Organized and coordinated a sports event at Deduce Technologies in April 2021, handling team registrations, and scheduling to ensure smooth execution.

PROFESSIONAL AFFILIATIONS

- Member of the Project Management Institute Ottawa Valley Outaouais Chapter (PMI OVOC) since January 2025, Canada