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EDUCATIONMaster of Science in **Civil Engineering (Construction Management)** GPA 3.77/4.0

Bradley University, Peoria, Illinois August 2021-May 2023Master of Technology in **Environmental Engineering** GPA 3.55/4.0

Dr. M.G.R Educational & Research Institute University, Chennai, India August 2013 – May 2015

Bachelor of **Civil Engineering** GPA 3.0/4.0

Anna University, Chennai, India August 2009 - May 2013

**WORK** EXPERIENCE

Assistant Project Engineer JM Constructions, Mana Madurai, India September 2019 - July 2021

* Assisted Project manager in preparing scheduling, planning, and cost-efficient work practices saving 10% of the project duration.
* Reviewed construction site practices, monitored project progress, and verified calculations and work placements to ensure compliance with quality and safety regulations.
* Analyzed shop drawings in comparison to the site conditions to identify 50+ constructability issues, resulting in timely corrective actions and avoiding project delays.
* Generated and organized around 100 pertinent engineering files and documents for job sites office management, streamlining file organization by 20%.
* Coordinated 4 safety awareness programs for workers and subcontractors which helped in reducing injury incidents by 30%.

Civil Engineer NAJM Suhail Building Contracting, Sharjah, UAE January 2018 – August 2019

* Facilitated a team of 50+ technical workers for a smooth workflow of luxury residential properties and commercial projects with a total project value of $500k - $1.2 million.
* Coordinated 20+ meetings with a cross-functional team consisting of Consultants, Municipal Engineers, and Subcontractors to meet critical issues and project timelines.
* Handled and tracked 100+ RFIs, submittals, and change orders for both commercial and residential projects to aid project scheduling and avoid costly delays.
* Participated in tendering for 5+ projects handling estimation, planning, and preconstruction process along with consultants.
* Prepared 5 Job Hazard Analyses Surveys (JHAs) along with Safety personnel to analyze risk factors at the job site and report to the project manager to prepare needed corrections in the site safety program.
* Aided in evaluating and optimizing construction processes leading to an increase of 20% in productivity.
* Participated in close-out procedures for 3 projects in compliance with the contract specifications and municipality's regulations.

Site Engineer & QS

PKP HOUSING PVT., Ltd., Madurai, India September 2015 - August 2017

* Assisting Project Engineer in Site investigations and development for a Residential project valued at $8 Million.
* Supervised 7 project sites individually handling construction and MEP teams for seamless workflow.
* Construction supervision of civil works at the site, including safety, quality, and schedule.
* Assisted Field Engineer with site preparation, surveying, and quality control in a project of 86 individual properties.
* Collaborated with the design team and clients in 10+ design-review meetings to understand & deliver specific needs.
* Prepared Quantity takeoff & BOQs and maintained daily, weekly, and monthly logs, and kept track of the building project documents.

PROJECTS

* **Cable-stayed Bridge over Illinois River in Kempsville, IL –** Rendered a realistic 3D model of a cable-stayed bridge using Revit 2019 of the cable-stayed bridge with pavement markings and pile foundations over the rock strata of the riverbed. **Nov 2021**
* **Barcelo Ravel Hotel –** Developed a detailed BIM Revit model of Barcelo Ravel Hotel with a detailed design with curtain walls, estimation of material quantities, doors and windows, and 3D rendering **Oct 202****1**
* **3D Model Residential Unit with V-ray in Sketchup 2021 –** Complete drafting of a Residential unit using AutoCAD 3D and imported into Sketchup by upgrading the model with interior, fixtures, furniture, and landscaping 3d rendered using V-ray plugin
* **Life Cycle Cost Analysis (LCCA) for IL-8** – Prepared a cost analysis with the Excel spreadsheet by comparing the 2 alternate pavement methods including initial cost along with repair and rehabilitation costs over a duration of 20 years **Dec 2022**
* Performance Analysis of Nutrient Removal in pond water using water hyacinth and Azolla with papaya stem – IRJET **May 2015**
* Experimental investigation on Self-curing concrete and its applications. **May 2013**
* Design of a pyramid shape meditation hall in a school building by using AutoCAD **Dec 2012**

**Skills**

**Key Competencies:** Quality Control | Estimation | Project Management |Shop Drawings | Risk Management | Cost Control & Analysis | Quantity Surveying | Scheduling | Time & Budget Management | Team Worker | Document Management | Problem-Solving |RFIs | Construction Safety |Change Orders| Closeout |Procurement |Verbal & Written Communications | Cross-functional Coordination.

**Technical Skills** – Revu Bluebeam | Procore | Onscreen Takeoff | AutoCAD | Revit | Sketchup | MS Project | Primavera P6 |Navisworks | MS Office – Word, Excel, PowerPoint, Outlook | Adobe

**Certifications & Licenses**: CMIT, OSHA – 30-Hour Outreach, Procore

**Extracurricular / Volunteer  
Graduate Assistant - Civil Undergrad |** Bradley University **Jan 2022 - Present**

Assisted Professor Dr. Mohammed Imran Hossain for 3 semesters in Geotechnical Engineering, Pavement Design, Foundation Analysis, and Design. Graded over 100 undergrads with 1000+ assignments, posters, and laboratory experiments. Aided in laboratory experiments preparation and proctoring lab exams entailing foundation and pavement material analysis.

**American Society of Civil Engineers (ASCE)** | Member | 2023 – Present

**Construction Management Association of America (CMAA) |** Member **|** 2022 - Present **Secretary - BONE2K13** |A National level Civil Engineering Technical Symposium - Madurai **2013**

**Coordinator**|Organizing Industrial Visits and Group Discussions **-** Anna University, Chennai **2011 -2013**

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