**Ramesh** [obscured]

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## SUMMARY

Self-moti[obscured]
constructi[obscured]

## EDUCATION

**Master of Science in Construction Engineering & Management**                                              *Jan 2020 - Dec 2021*
California State University Fullerton, California

**Master of Technology in Structural Engineering**                                                                    *Nov 2015 - Nov 2017*
MVGR College of Engineering (A), INDIA.

**Bachelor of Technology in Civil Engineering**                                                                        *Sep 2011 - Jun 2015*
VIGNAN'S Institute of Information Technology, INDIA.

## PROFESSIONAL EXPERIENCE

**Construction Site Engineer,** *Venkata Sai Constructions,* Visakhapatnam, India                       *Jan 2018 – May 2019*

- Assisted in managing the scope, preparing quantity take-offs, solving complex issues, and delivering strategic solutions.
- Validate project plans, specifications, shop drawings, marketing material, RFI logs, daily status reports, and punch list data.
- Led cross-functional teams and increased the growth by 2.7% in 20[obscured]
- Coordinated with the managing director and provided support to project management staff in preparing bid documentation and execution of technical tasks with the application of best practices and seamless conflict resolution.
- Generated design reports using software like AutoCAD, STAAD.Pro, ETABS, and MS Project and solved technical issues and boosted the performance problems by monitoring and making suitable recommendations.

**Structural Engineering Intern,** *Indiabulls,* Visakhapatnam, India                                                 *May 2016*

- Provided structural analysis, design, and detailing for retaining walls.
- Coordinated with architecture and structural engineers in designing two-way slabs, foundations, and selection of tower cranes.
- Collaborated with the staff in surveying using Total Station, testing concrete samples, construction of batching plant, and calculations for the delivery time of Ready Mix Concrete trucks.
- Assisted the research team in the development of training courses helpful in the fast-paced construction markets.

## THESIS

- **Study on Effect of Seismic Isolation and Lateral Load Resisting System on Irregular Reinforced Concrete Frames**: Used ETABS and SAP2000 software to model and perform non-linear time history analysis on earthquake-induced vertical and horizontal irregular res[obscured] study on average base shear, roof displacements, int[obscured] [obscured] potentially damaging earthquake-induced gr[obscured]
- **Study on Effect of** [obscured] **grades of Concrete having Portland Pozzolana C**[obscured] [obscured]drical specimens were compared at different curing periods. The mixture includes different percentages of GGBS and Admixtures, accelerating the rate of hydration. Strengths were tested using Compression Testing Machine and Ultrasonic Pulse Velocity test.

## COURSE PROJECTS

- Creating and submitting a bid package to Fullerton Arboretum for a new parking lot. It includes project plans, work schedules, estimations, resource procurement, bid documents, purchasing accounting, post-bid buyouts, and contract administration.
- Conceptualizing construction of the ancient Colosseum of Rome in the twentieth century using modern construction equipment, methods, and techniques. Results include transportation of materials, pricing and time comparisons, selection suitable o[obscured]
- Optimal solution th[obscured] [obscured]d rail in LOS ANGELES. Simple[obscured] [obscured]tation Simplex method, and Putcha-Bhuiya[obscured]
- Implementation of Lean and Artificial Intelligence tools in Construction. Used Statistical Control charts, MATLAB Fuzzy logic toolbox and Netica to estimate the probability of winning the Fullerton greenhouse bid and the probability of completing the project within the scheduled time.

## SKILLS

AutoCAD, STAAD.Pro, ETABS, SAP2000, SeismoSignal, Bluebeam, MATLAB Fuzzy Logic, Procore, MS Office Suite (Word, Excel, Outlook, PowerPoint), IBM SPSS, Netica, Google Suite.