

# PRUTHVIRAJ THAKOR

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***Hard working individual dedicated to design with right engineering principles and constantly accepting new challenges keeping work priorities and self-development vital.***

## **SKILLS**

- **Software:** RAM Structural System, RAM Frame Analysis & RAM Concept, RAM Elements, Enercalc, TEDDS, HILTI PROFIS, RAM Connections, AutoCAD, Autodesk Revit, Bluebeam Revu, Mathcad and basics of SAP2000, STAAD PRO, SOLIDWORKS
- **Structural Design:** Composite Floor Systems and Steel Roof Decks, Beams (Steel, Concrete, Wood and Masonry), Columns (Steel, Concrete and Masonry) & Base Plates, Steel Roof Joists & Girder Joists, Roof Diaphragms, Steel trusses, Steel Canopies, Tilt Up Panels, Concrete Slabs, Concrete Masonry Walls, Retaining walls, Foundations & Uplift Footings, Mat Foundation, Wind and Snow Calculations

## **PROFESSIONAL EXPERIENCE**

### **BBM Structural Engineers, Longwood - FL**

**January 2019-Present**

*Intern* → *Project Engineer*

- Designed structural elements and prepared engineering calculations & reports under guidance of project manager in compliance with applicable building codes (e.g. AISC, ACI, ASTM, IBC, FBC, etc.) along with maintaining company & industry standards
- Executed gravity & lateral analysis using various computer aided design software for steel, concrete, masonry, wood buildings such as MOB's, schools, warehouses, private terminals, recreational facilities etc.
- Independently performed structural modeling and structural analysis of specialized structures like steel building with moment frames, concrete flat plate, hundred feet steel church tower, connector bridges to parking structures, designing mat foundations for silos, free standing signs and foundations, etc.
- Assisted construction admin department with field inspection/supervision, reviewing shop drawings & responding to RFIs
- Ability to read design documents and construction plans for rehabilitation/addition projects of existing structures
- Assisted PM in detailing sections of foundation, roof and other structural elements
- Accustomed to multi-task on time critical projects and effectively meet deadlines

### **WBQ Design & Engineering, Orlando- FL**

**August 2018-December 2018**

*Intern*

- Developed, planned and performed pavement evaluations
- Assisted in developing plans & specifications for new construction & rehabilitations projects
- Learnt to interpret & apply client specific design methodologies, specifications & standards
- Learnt to work in a fast pace environment

### **Matcon Construction, Orlando- FL**

**May 2018-July 2018**

*Intern*

- Assisted with drawings, estimating, & scheduling
- Performed inventory checks, daily field engineering tests & cost analyses
- Maintained files & records, copying & scanning

## **EDUCATION**

### **University of Central Florida, Orlando (GPA – 3.65/4.00)**

**August 2017-May 2019**

Master of Science in Civil Engineering

Relevant coursework- Advanced Geotechnical Engineering, Advanced Steel Structures, Advanced Reinforced Concrete, Bridge Engineering, Dynamics of Structures

### **Sardar Vallabhbhai Patel Institute of Technology, India**

**July 2013-May 2017**

Bachelor of Engineering in Civil Engineering

Relevant Coursework – Computational Mechanics, Applied Fluid Mechanics, Structural Analysis, Mechanics of Solids, Foundation Engineering

***\*Authorized to work in the United States without the need of visa sponsorship***